

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012519\
 Data File : VF061514.D
 Acq On : 25 Jan 2019 11:21
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jan 28 00:06:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	189328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	351132	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	289066	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	139249	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	107619	46.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.08%	
35) Dibromofluoromethane	4.11	113	125975	45.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.94%	
50) Toluene-d8	7.54	98	351467	46.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.60%	
62) 4-Bromofluorobenzene	11.41	95	154832	43.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	174635	46.945	ug/l	91
3) Chloromethane	1.09	50	132290	48.499	ug/l	99
4) Vinyl Chloride	1.14	62	120485	49.656	ug/l	98
5) Bromomethane	1.32	94	86074	54.400	ug/l	93
6) Chloroethane	1.40	64	58247	54.176	ug/l	95
7) Trichlorofluoromethane	1.48	101	202506	42.931	ug/l	92
8) Diethyl Ether	1.63	74	29284	48.451	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.84	101	100720	44.438	ug/l	96
10) Methyl Iodide	1.91	142	133499	37.993	ug/l	93
11) Tert butyl alcohol	2.57	59	23241	234.895	ug/l	99
12) 1,1-Dichloroethene	1.79	96	87998	52.259	ug/l	84
13) Acrolein	2.00	56	26479	308.192	ug/l	95
14) Allyl chloride	2.09	41	128530	68.188	ug/l	91
15) Acrylonitrile	2.94	53	67847	267.704	ug/l	97
16) Acetone	2.24	43	127751	272.431	ug/l	98
17) Carbon Disulfide	1.81	76	191223	36.420	ug/l	97
18) Methyl Acetate	2.35	43	49062	52.757	ug/l	99
19) Methyl tert-butyl Ether	2.42	73	179954	47.673	ug/l	99
20) Methylene Chloride	2.18	84	31873	18.931	ug/l	95
21) trans-1,2-Dichloroethene	2.31	96	88513	47.776	ug/l	98
22) Diisopropyl ether	2.79	45	300913	50.216	ug/l	98
23) Vinyl Acetate	3.18	43	715822	271.309	ug/l	100
24) 1,1-Dichloroethane	2.87	63	177576	47.216	ug/l	96
25) 2-Butanone	4.33	43	215471	276.312	ug/l	98
26) 2,2-Dichloropropane	3.60	77	104980	45.432	ug/l	95
27) cis-1,2-Dichloroethene	3.47	96	144076	52.682	ug/l	98
28) Bromochloromethane	3.72	49	80483	47.607	ug/l	97
29) Tetrahydrofuran	4.06	42	81997	244.198	ug/l	98
30) Chloroform	3.85	83	257475	50.727	ug/l	100
31) Cyclohexane	3.69	56	105785	28.158	ug/l	95
32) 1,1,1-Trichloroethane	4.09	97	145783	39.172	ug/l	96
36) 1,1-Dichloropropene	4.28	75	196818	48.344	ug/l	99
37) Ethyl Acetate	4.11	43	76053	46.733	ug/l #	78
38) Carbon Tetrachloride	3.98	117	143731	40.383	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	189363	42.920	ug/l	99
40) Benzene	4.62	78	416879	46.018	ug/l	98
41) Methacrylonitrile	4.74	41	43252	49.948	ug/l	94
42) 1,2-Dichloroethane	4.94	62	147504	45.693	ug/l	98
43) Isopropyl Acetate	6.95	43	96831	47.408	ug/l	91
44) Trichloroethene	5.49	130	133122	47.903	ug/l	97
45) 1,2-Dichloropropane	6.23	63	115267	48.480	ug/l	98
46) Dibromomethane	6.08	93	76336	48.285	ug/l	93
47) Bromodichloromethane	6.38	83	183217	46.840	ug/l	100
48) Methyl methacrylate	6.72	41	64204	46.812	ug/l	94
49) 1,4-Dioxane	6.70	88	9950	1042.215	ug/l #	81
51) 4-Methyl-2-Pentanone	8.25	43	356978	237.739	ug/l	99
52) Toluene	7.62	92	263936	44.242	ug/l	98
53) t-1,3-Dichloropropene	8.27	75	142316	45.819	ug/l	99
54) cis-1,3-Dichloropropene	7.30	75	197558	50.885	ug/l	95
55) 1,1,2-Trichloroethane	8.48	97	82512	48.706	ug/l	98
56) Ethyl methacrylate	8.61	69	85802	43.533	ug/l	97
57) 1,3-Dichloropropane	8.85	76	146479	46.130	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.29	63	79613	370.318	ug/l	99
59) 2-Hexanone	9.49	43	247821	236.682	ug/l	97
60) Dibromochloromethane	8.71	129	117633	47.496	ug/l	98
61) 1,2-Dibromoethane	8.98	107	85109	43.884	ug/l	96
64) Tetrachloroethene	8.15	164	112277	51.650	ug/l	96
65) Chlorobenzene	9.79	112	294114	50.033	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.92	131	121192	51.753	ug/l	96
67) Ethyl Benzene	9.89	91	541666	50.434	ug/l	99
68) m/p-Xylenes	10.13	106	381569	98.779	ug/l	95
69) o-Xylene	10.71	106	214192	51.161	ug/l	94
70) Styrene	10.78	104	275989	48.159	ug/l	98
71) Bromoform	10.77	173	55288	52.547	ug/l #	98
73) Isopropylbenzene	11.12	105	621539	54.880	ug/l	99
74) N-amyl acetate	11.37	43	153098	57.168	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.69	83	108586	53.820	ug/l	98
76) 1,2,3-Trichloropropane	11.79	75	74398	51.319	ug/l	96
77) Bromobenzene	11.49	156	129010	53.938	ug/l	90
78) n-propylbenzene	11.59	91	721489	52.653	ug/l	99
79) 2-Chlorotoluene	11.72	91	412885	52.544	ug/l	94
80) 1,3,5-Trimethylbenzene	11.83	105	491429	53.768	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.86	75	45594	72.347	ug/l	86
82) 4-Chlorotoluene	11.89	91	413954	52.204	ug/l	98
83) tert-Butylbenzene	12.13	119	521569	55.135	ug/l	96
84) 1,2,4-Trimethylbenzene	12.20	105	484615	51.476	ug/l	95
85) sec-Butylbenzene	12.30	105	711413	55.377	ug/l	96
86) p-Isopropyltoluene	12.46	119	557843	52.897	ug/l	98
87) 1,3-Dichlorobenzene	12.48	146	231250	48.475	ug/l	97
88) 1,4-Dichlorobenzene	12.57	146	232768	51.500	ug/l	95
89) n-Butylbenzene	12.84	91	580810	53.403	ug/l	97
90) Hexachloroethane	12.91	117	141986	57.116	ug/l	86
91) 1,2-Dichlorobenzene	12.94	146	223782	50.015	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	19526	54.564	ug/l	77

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QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration

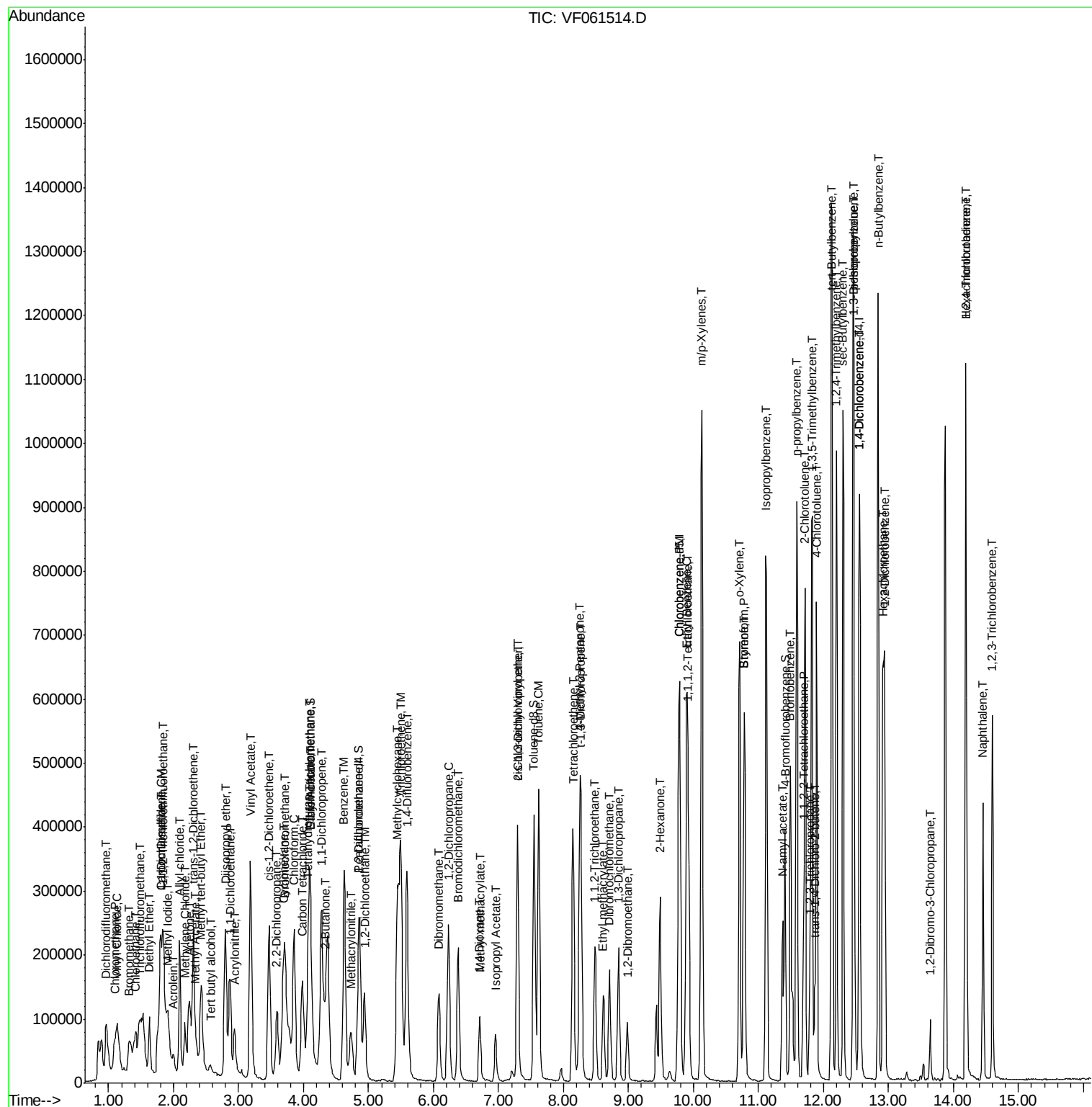
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	161550	51.541	ug/l	95
94) Hexachlorobutadiene	14.18	225	103728	53.332	ug/l	98
95) Naphthalene	14.45	128	314209	52.763	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	146473	50.482	ug/l	96

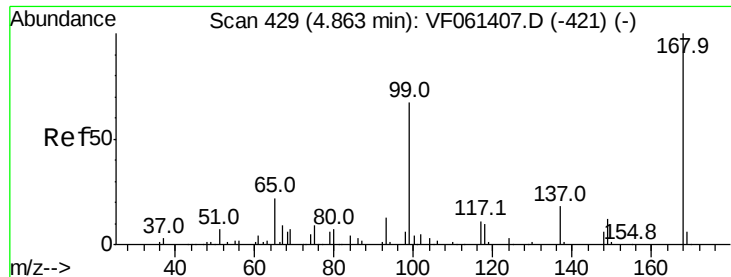
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.00 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

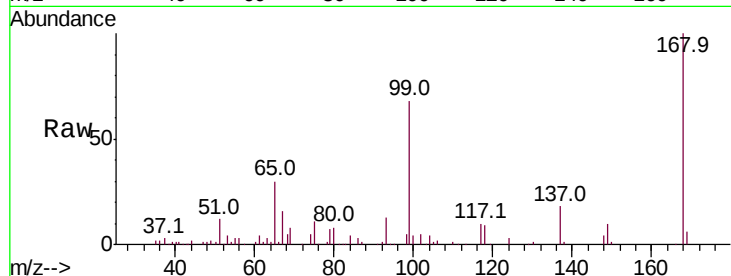
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 189328

Ion Ratio Lower Upper

168 100

99 68.1 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

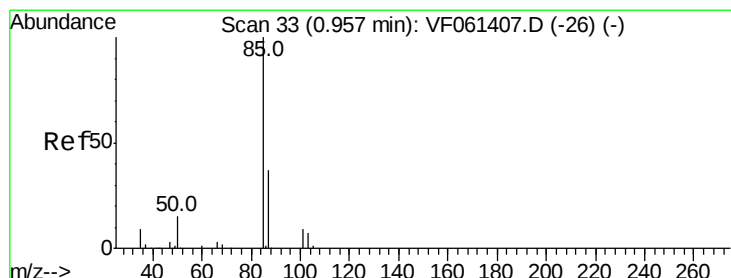
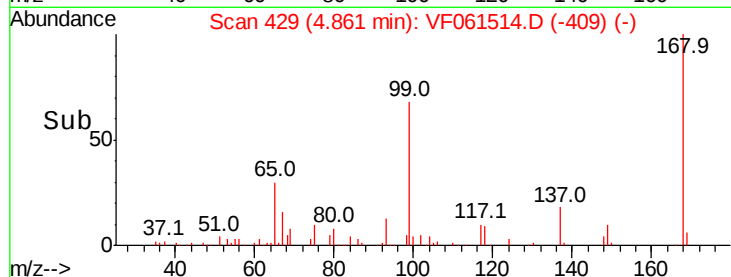
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 46.945 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF061514.D

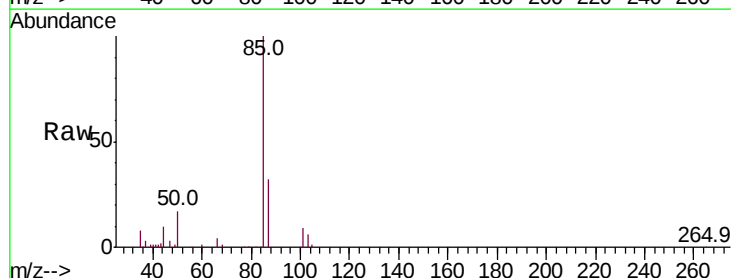
Acq: 25 Jan 2019 11:21

Tgt Ion: 85 Resp: 174635

Ion Ratio Lower Upper

85 100

87 31.6 18.4 55.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

50000

40000

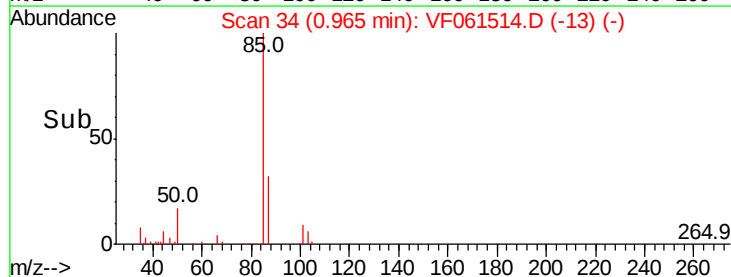
30000

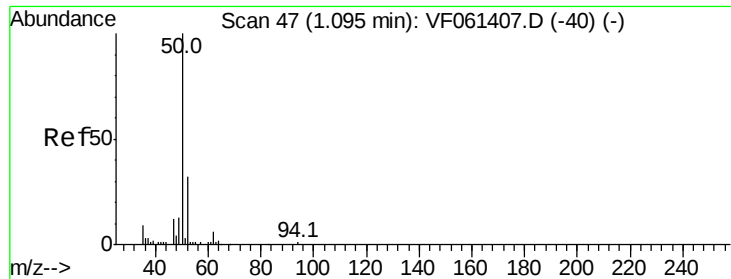
20000

10000

0

Time--> 0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 48.499 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Instrument :

MSVOA_F

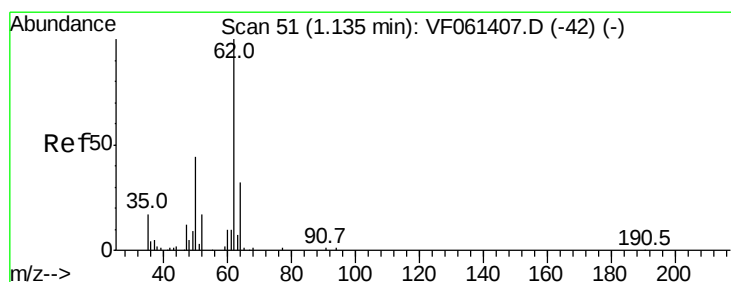
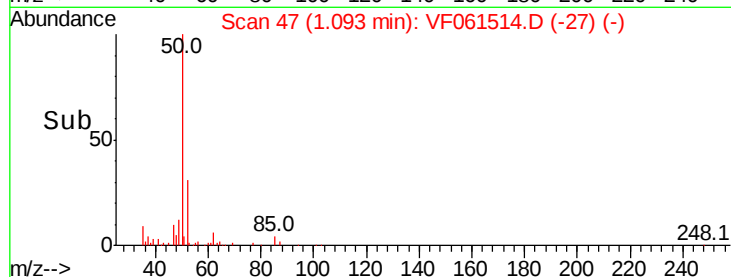
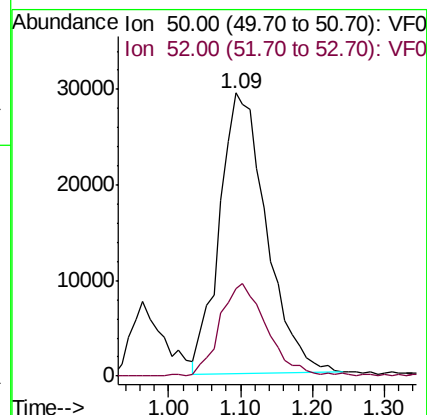
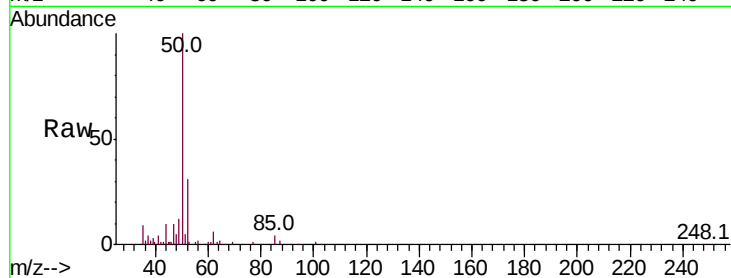
ClientSampleId :

Tot Ion: 50 Resp: 132290

Ion Ratio Lower Upper

50 100

52 31.1 24.6 36.8



#4

Vinyl Chloride

Concen: 49.656 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF061514.D

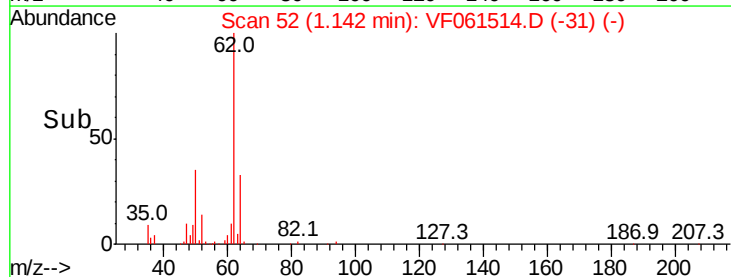
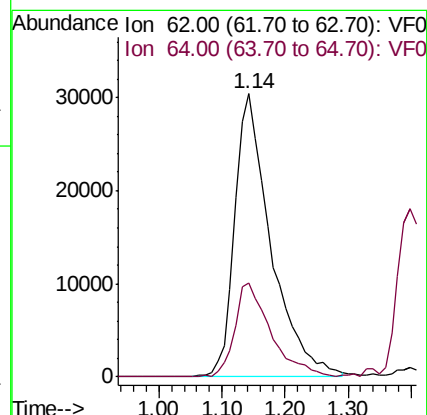
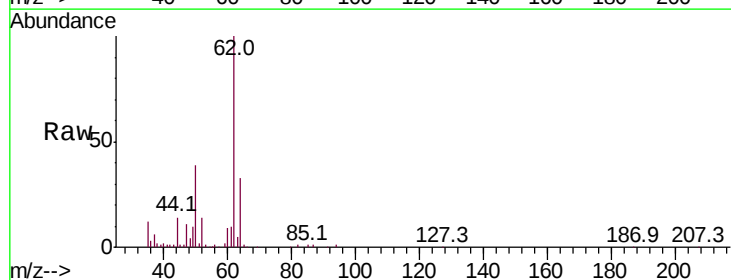
Acq: 25 Jan 2019 11:21

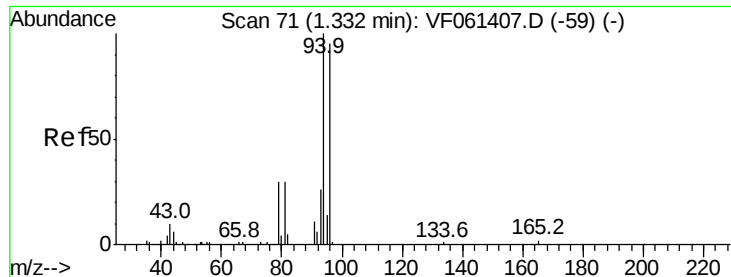
Tgt Ion: 62 Resp: 120485

Ion Ratio Lower Upper

62 100

64 33.0 25.6 38.4





#5

Bromomethane

Concen: 54.400 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

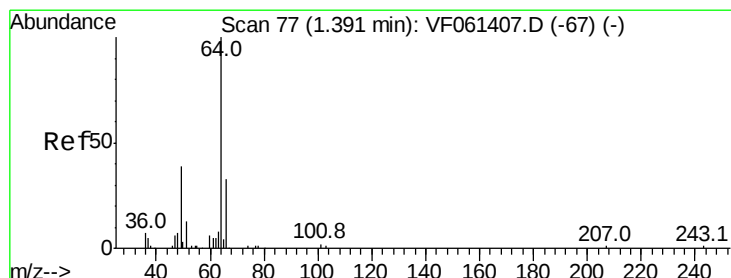
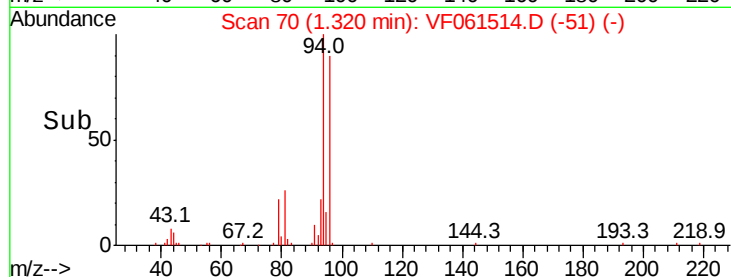
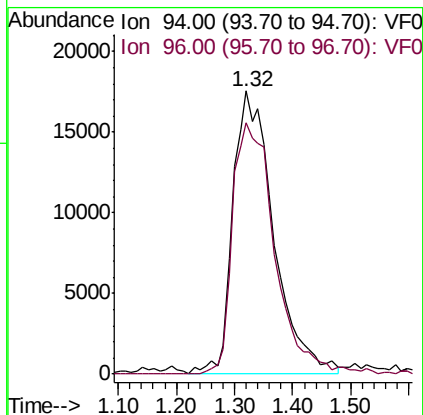
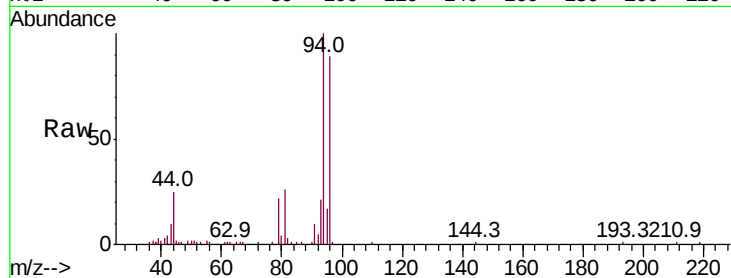
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 94 Resp: 86074

Ion Ratio Lower Upper

94 100

96 88.7 76.0 114.0



#6

Chloroethane

Concen: 54.176 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.01 min

Lab File: VF061514.D

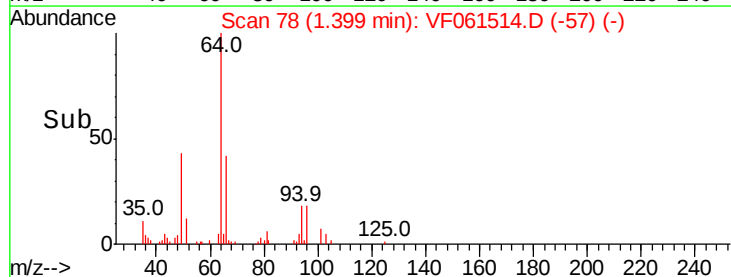
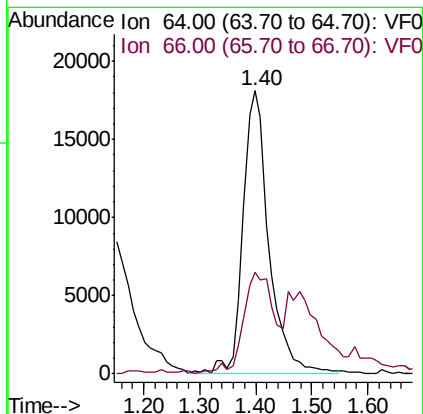
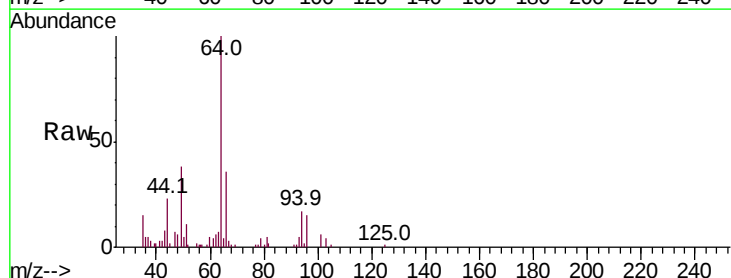
Acq: 25 Jan 2019 11:21

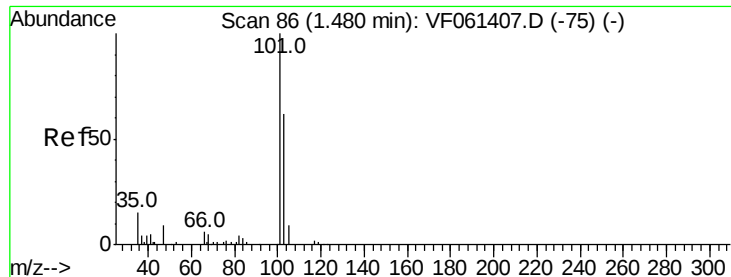
Tgt Ion: 64 Resp: 58247

Ion Ratio Lower Upper

64 100

66 35.9 26.6 40.0





#7

Trichlorofluoromethane

Concen: 42.931 ug/l

RT: 1.48 min Scan# 86

Delta R.T. -0.00 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

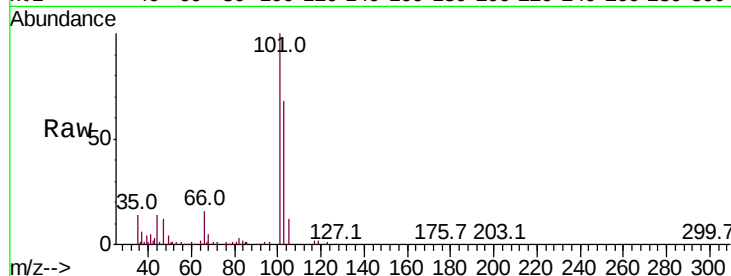
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:101 Resp: 202506

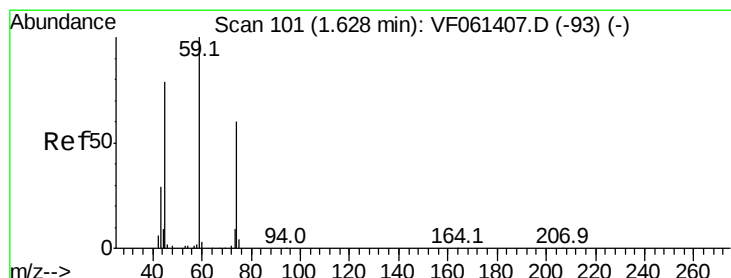
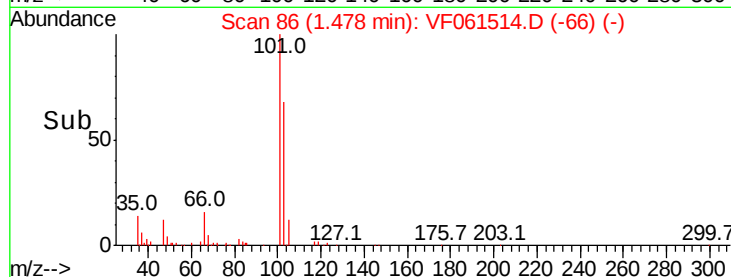
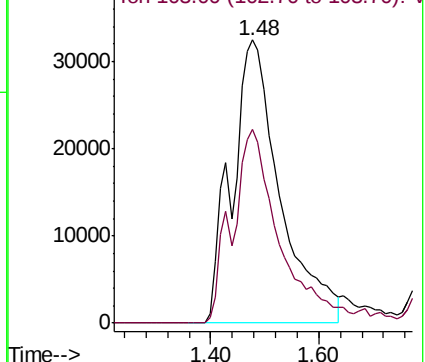
Ion Ratio Lower Upper

101 100

103 68.5 49.7 74.5



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 48.451 ug/l

RT: 1.63 min Scan# 101

Delta R.T. -0.00 min

Lab File: VF061514.D

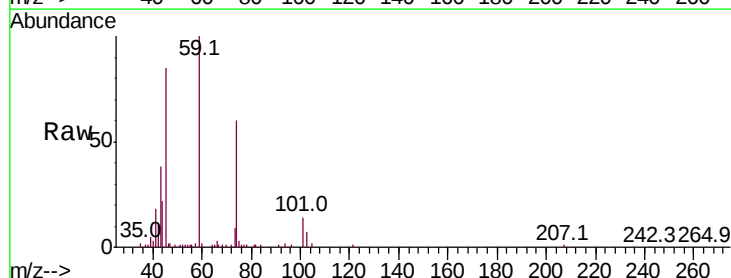
Acq: 25 Jan 2019 11:21

Tgt Ion: 74 Resp: 29284

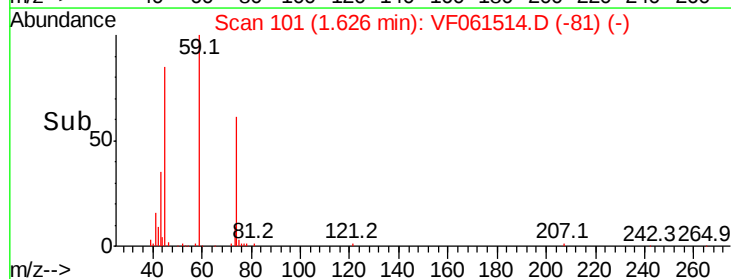
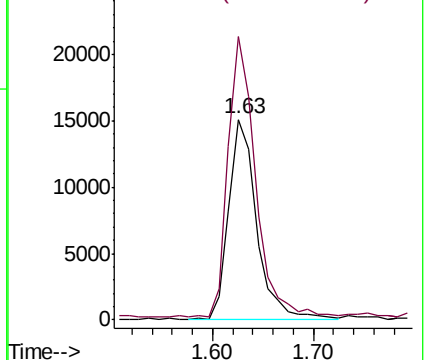
Ion Ratio Lower Upper

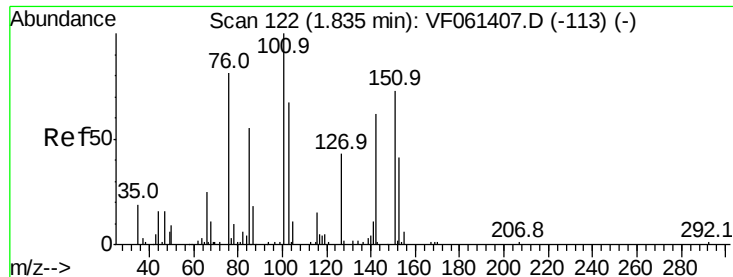
74 100

45 141.2 65.8 197.5



Abundance Ion 74.00 (73.70 to 74.70): VF0
Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.438 ug/l

RT: 1.84 min Scan# 123

Delta R.T. 0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

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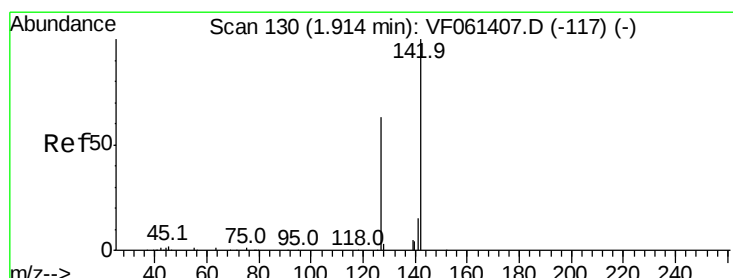
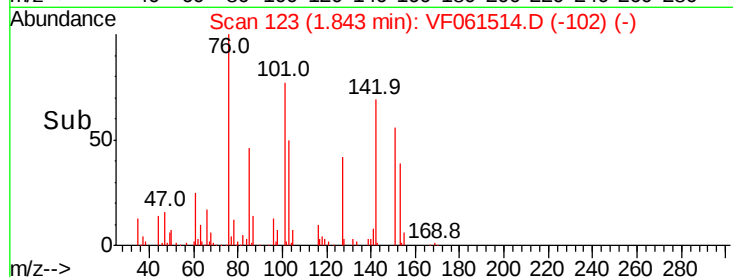
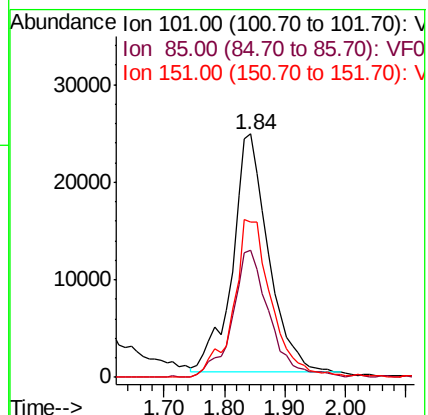
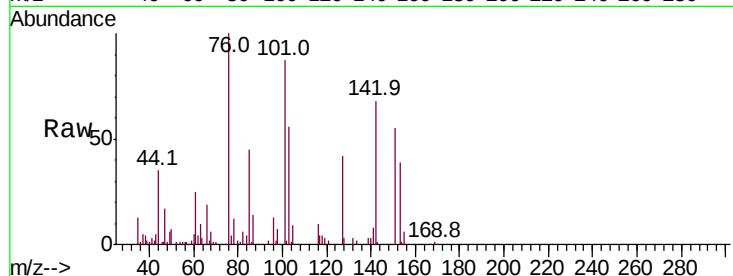
Tot Ion:101 Resp: 100720

Ion Ratio Lower Upper

101 100

85 52.0 41.9 62.9

151 63.7 55.1 82.7



#10

Methyl Iodide

Concen: 37.993 ug/l

RT: 1.91 min Scan# 130

Delta R.T. -0.00 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

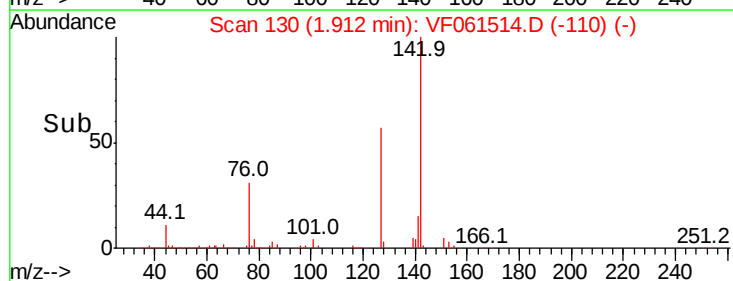
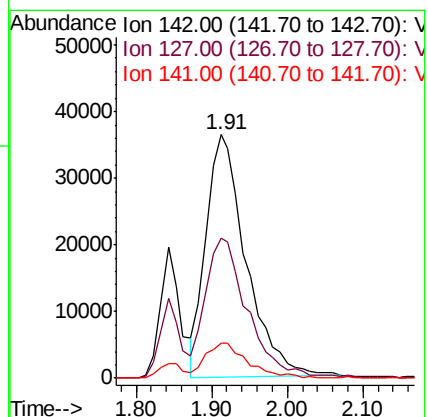
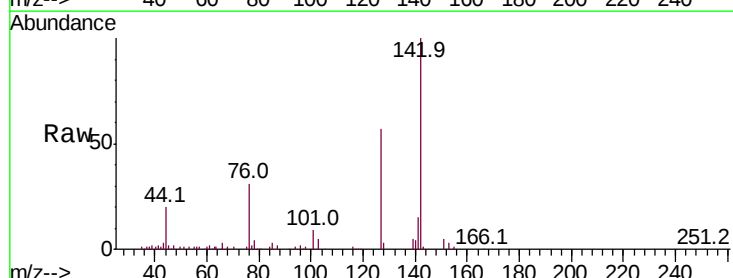
Tgt Ion:142 Resp: 133499

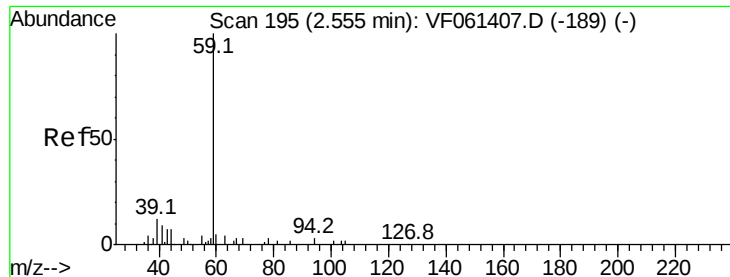
Ion Ratio Lower Upper

142 100

127 57.2 50.7 76.1

141 14.6 11.8 17.6



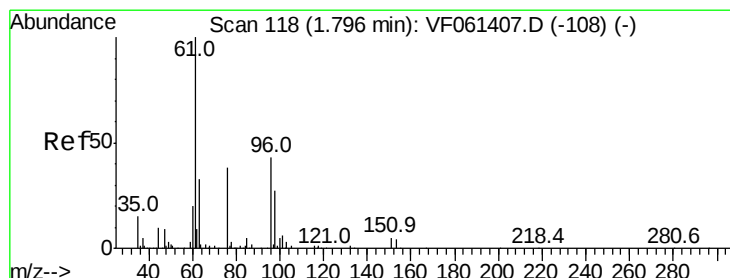
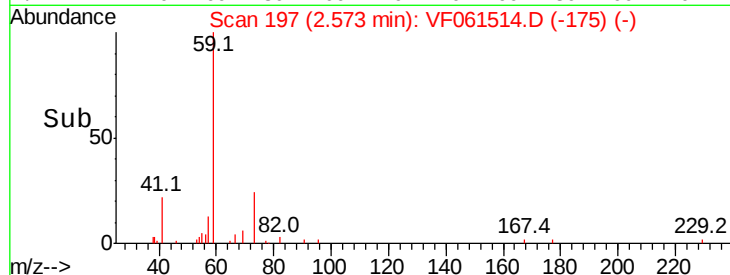
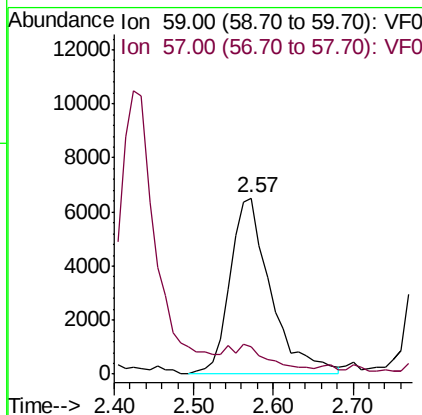
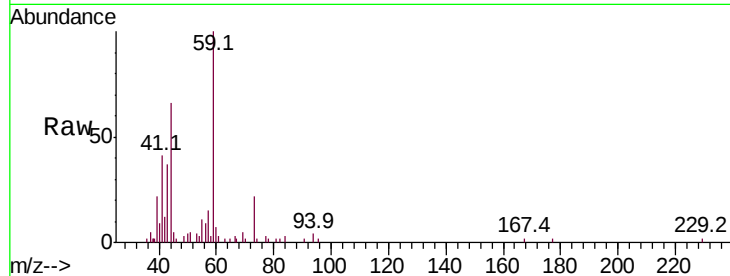


#11

Tert butyl alcohol
 Concen: 234.895 ug/l
 RT: 2.57 min Scan# 197
 Delta R.T. 0.02 min
 Lab File: VF061514.D
 Acq: 25 Jan 2019 11:21

Instrument :
 MSVOA_F
 ClientSampled :

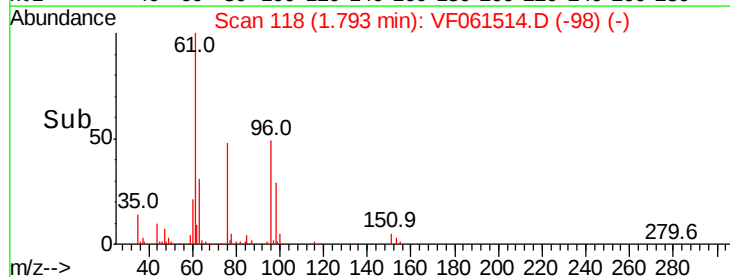
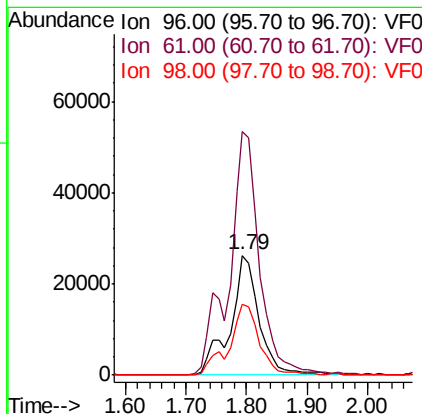
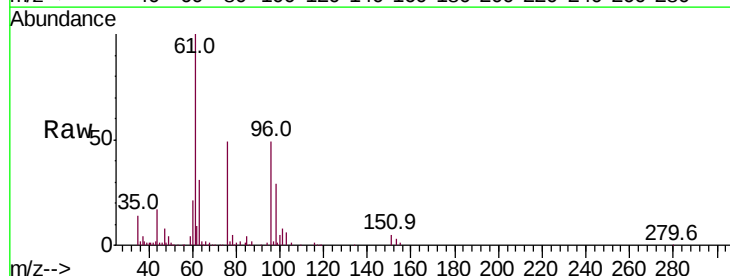
Tot Ion: 59 Resp: 23241
 Ion Ratio Lower Upper
 59 100
 57 15.3 11.9 17.9

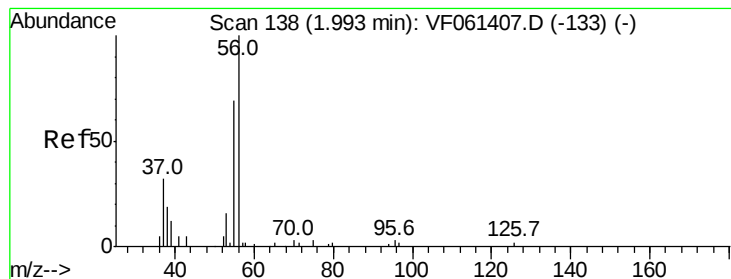


#12

1,1-Dichloroethene
 Concen: 52.259 ug/l
 RT: 1.79 min Scan# 118
 Delta R.T. -0.00 min
 Lab File: VF061514.D
 Acq: 25 Jan 2019 11:21

Tgt Ion: 96 Resp: 87998
 Ion Ratio Lower Upper
 96 100
 61 203.4 186.9 280.3
 98 59.4 53.0 79.4





#13

Acrolein

Concen: 308.192 ug/l

RT: 2.00 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

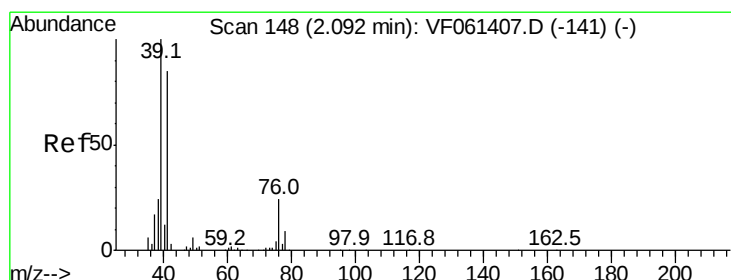
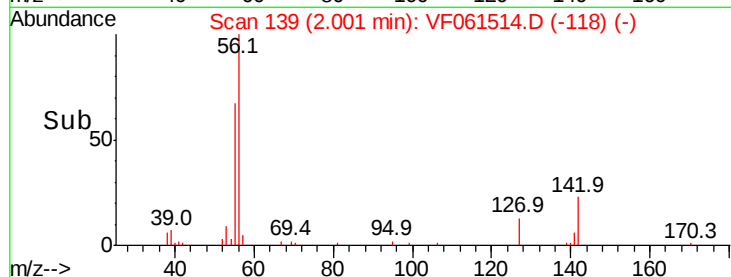
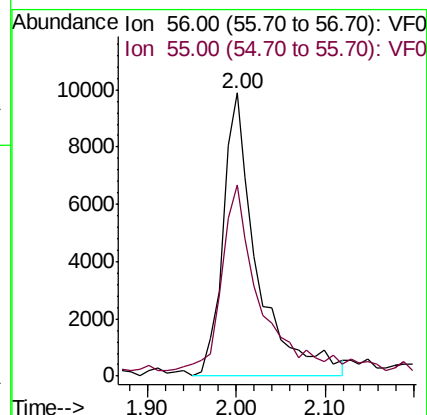
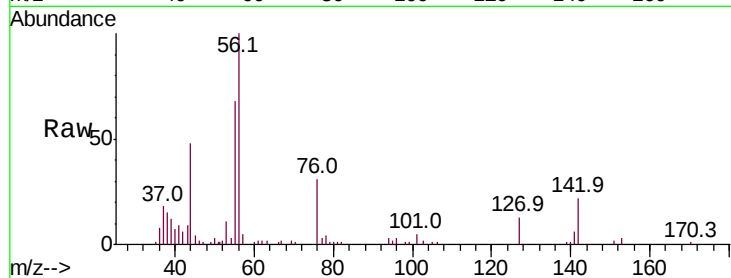
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 26479

Ion Ratio Lower Upper

56 100

55 67.6 57.5 86.3



#14

Allyl chloride

Concen: 68.188 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

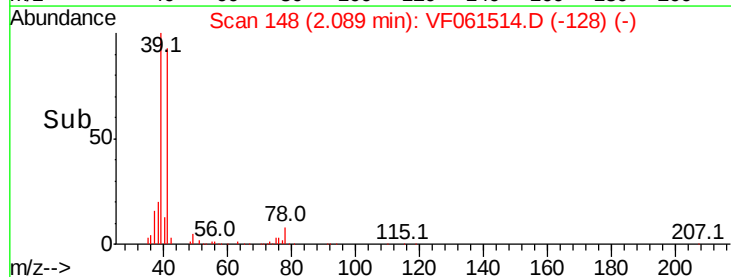
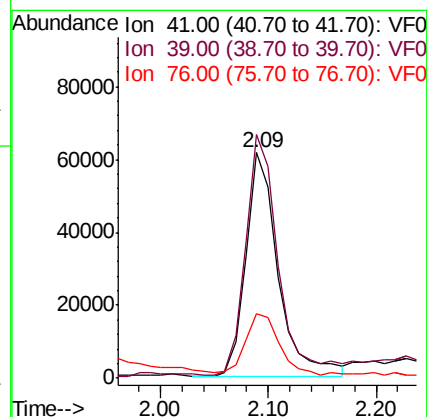
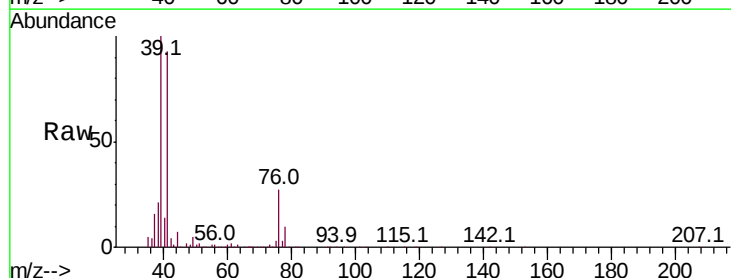
Tgt Ion: 41 Resp: 128530

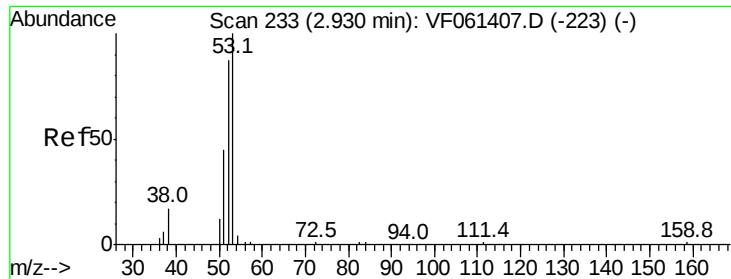
Ion Ratio Lower Upper

41 100

39 108.0 94.6 141.8

76 28.8 25.9 38.9





#15

Acrylonitrile

Concen: 267.704 ug/l

RT: 2.94 min Scan# 234

Delta R.T. 0.01 min

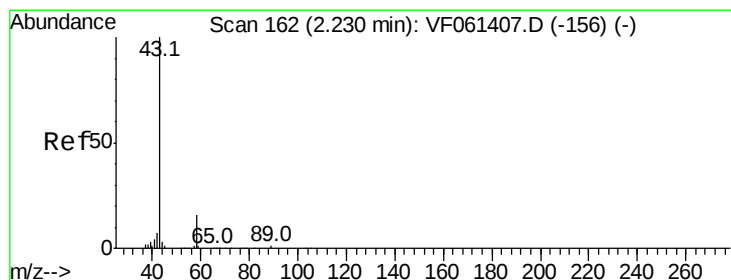
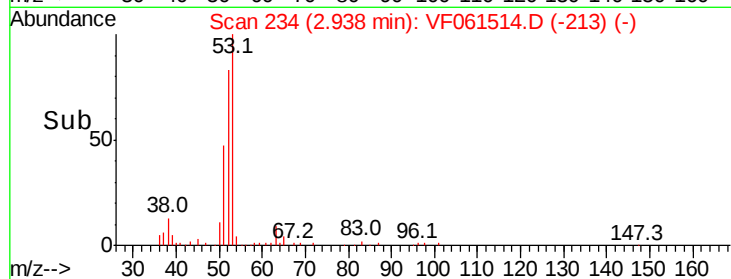
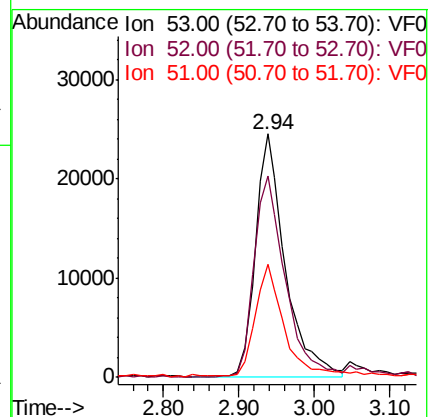
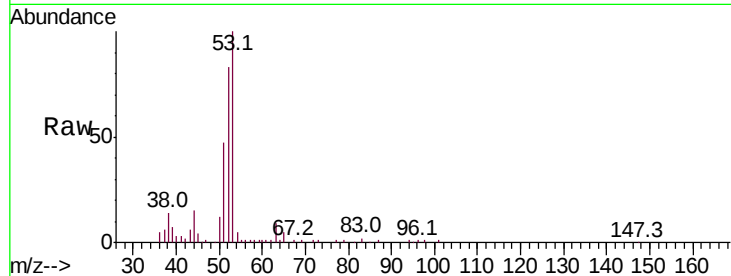
Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 53 Resp: 67847

Ion	Ratio	Lower	Upper
53	100		
52	82.7	69.6	104.4
51	46.7	36.8	55.2



#16

Acetone

Concen: 272.431 ug/l

RT: 2.24 min Scan# 163

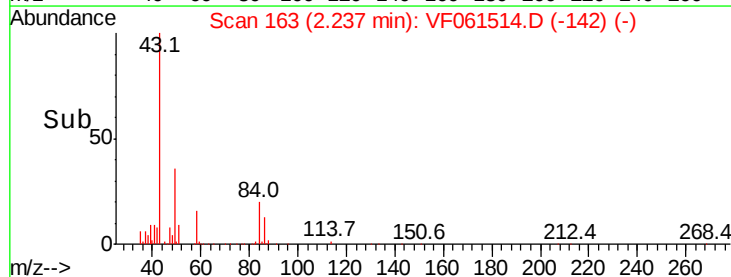
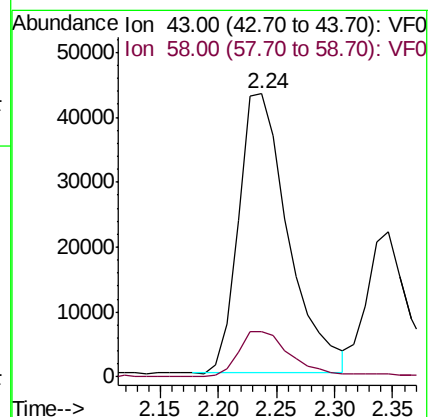
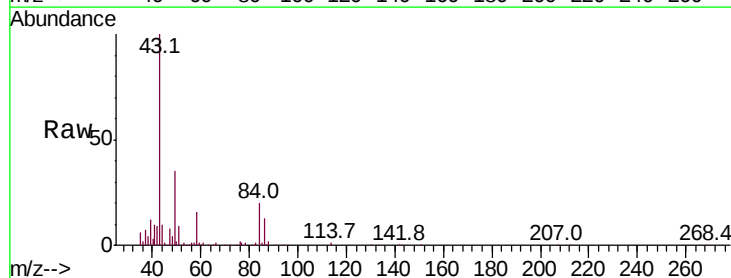
Delta R.T. 0.01 min

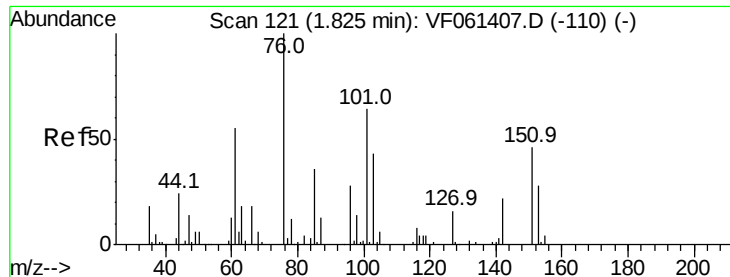
Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Tgt Ion: 43 Resp: 127751

Ion	Ratio	Lower	Upper
43	100		
58	15.8	13.3	19.9

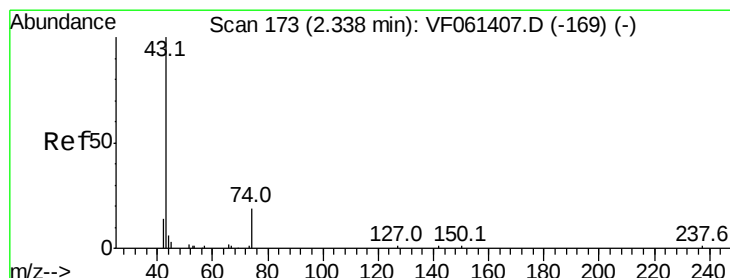
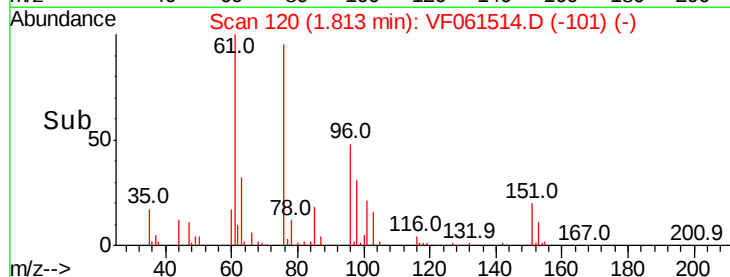
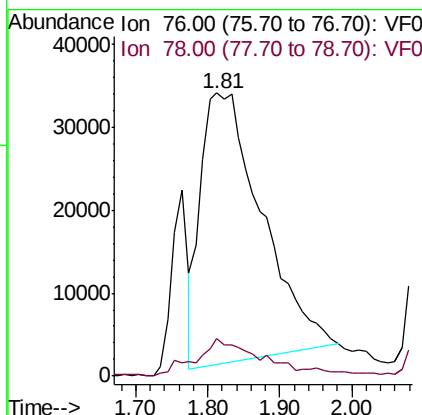
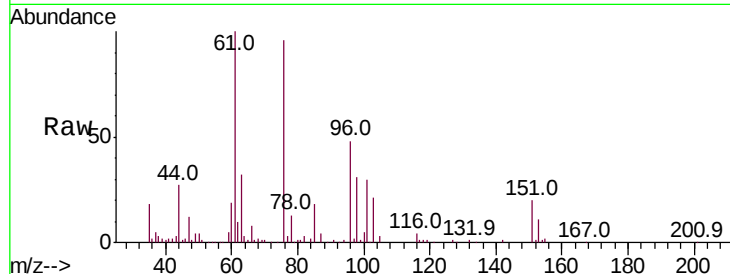




#17
Carbon Disulfide
Concen: 36.420 ug/l
RT: 1.81 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

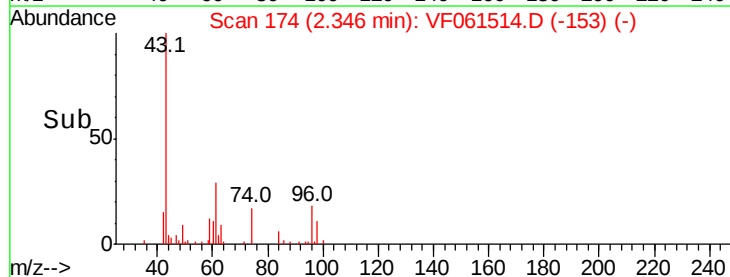
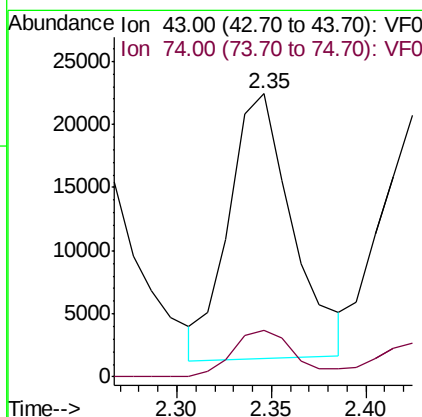
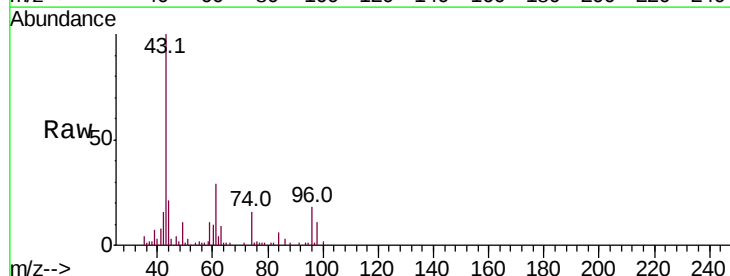
Instrument :
MSVOA_F
ClientSampled :

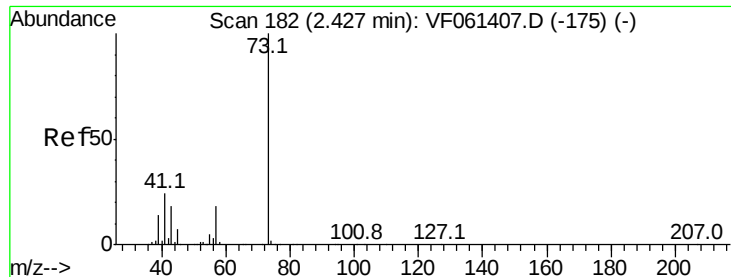
Tot Ion: 76 Resp: 191223
Ion Ratio Lower Upper
76 100
78 13.1 9.6 14.4



#18
Methyl Acetate
Concen: 52.757 ug/l
RT: 2.35 min Scan# 174
Delta R.T. 0.01 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

Tgt Ion: 43 Resp: 49062
Ion Ratio Lower Upper
43 100
74 16.5 13.4 20.0



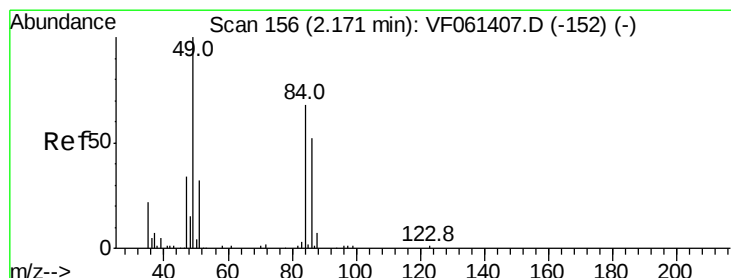
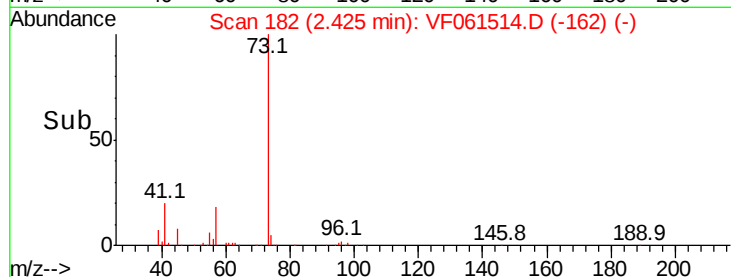
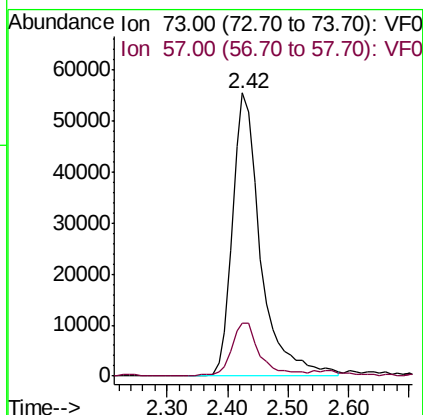
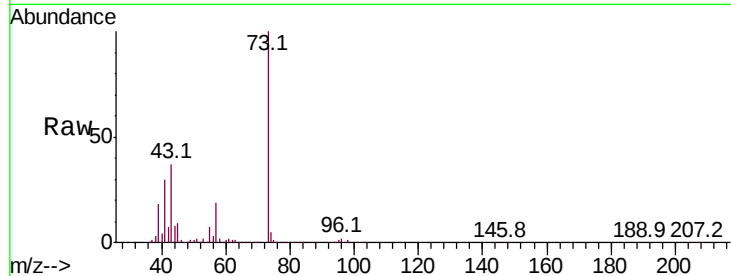


#19

Methyl tert-butyl Ether
 Concen: 47.673 ug/l
 RT: 2.42 min Scan# 182
 Delta R.T. -0.00 min
 Lab File: VF061514.D
 Acq: 25 Jan 2019 11:21

Instrument :
 MSVOA_F
 ClientSampleId :

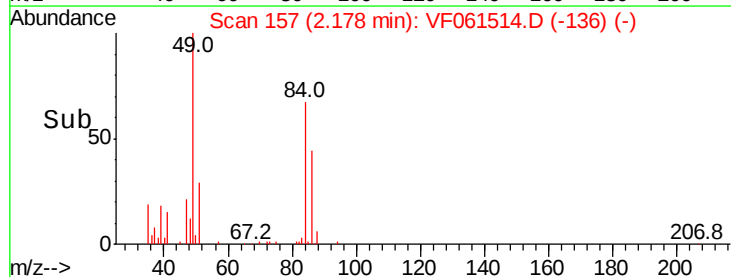
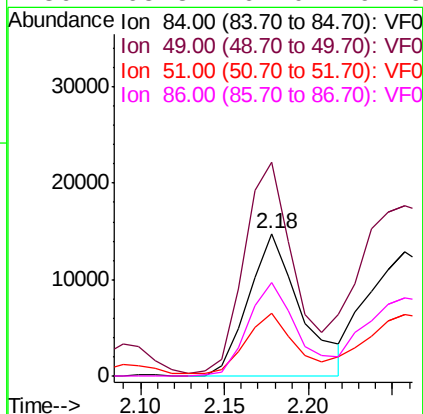
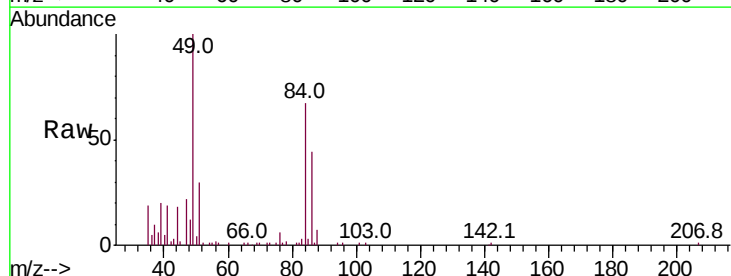
Tot Ion: 73 Resp: 179954
 Ion Ratio Lower Upper
 73 100
 57 18.9 14.8 22.2

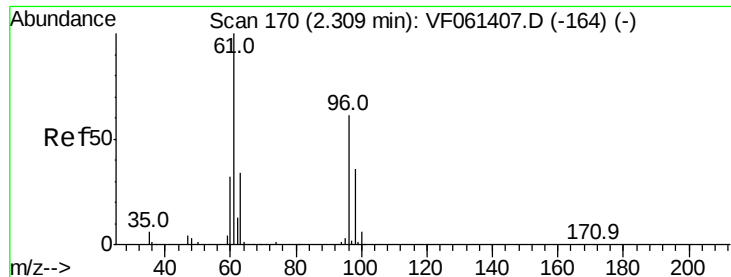


#20

Methylene Chloride
 Concen: 18.931 ug/l
 RT: 2.18 min Scan# 157
 Delta R.T. 0.01 min
 Lab File: VF061514.D
 Acq: 25 Jan 2019 11:21

Tgt Ion: 84 Resp: 31873
 Ion Ratio Lower Upper
 84 100
 49 150.3 120.0 180.0
 51 44.5 38.6 58.0
 86 65.8 61.0 91.6





#21

trans-1,2-Dichloroethene

Concen: 47.776 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Instrument :
MSVOA_F
ClientSampleId :

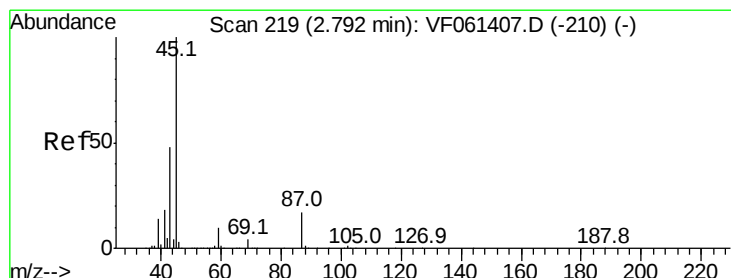
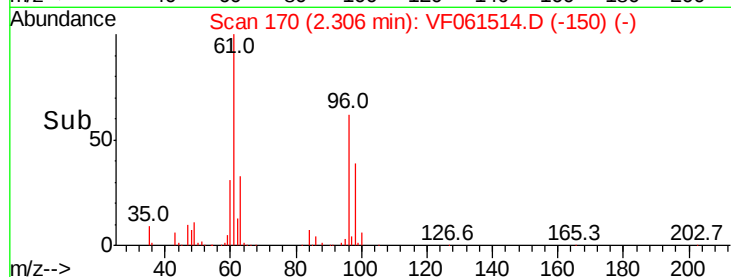
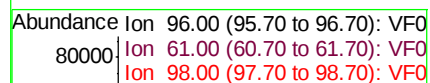
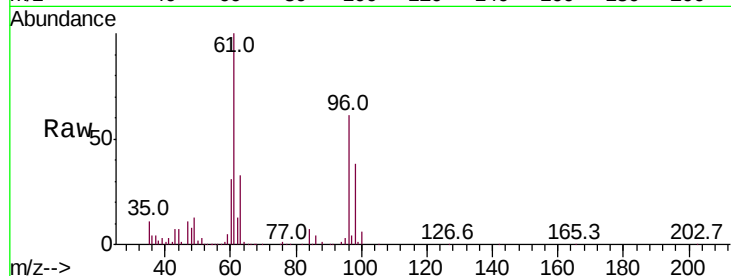
Tot Ion: 96 Resp: 88513

Ion Ratio Lower Upper

96 100

61 163.5 131.8 197.8

98 62.5 47.4 71.0



#22

Diisopropyl ether

Concen: 50.216 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.00 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Tgt Ion: 45 Resp: 300913

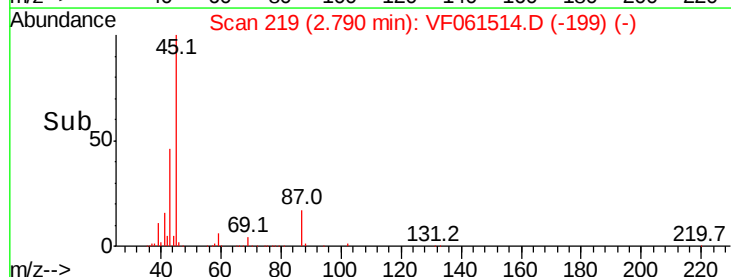
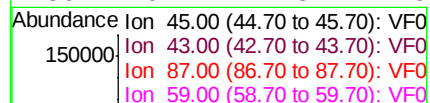
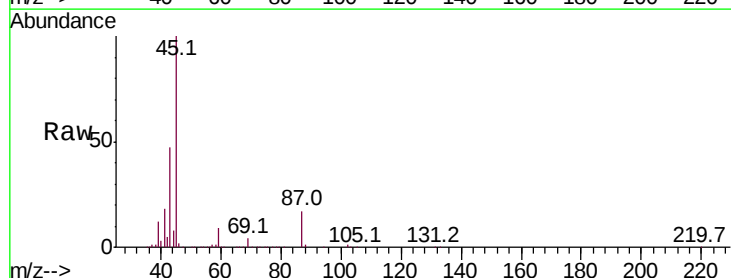
Ion Ratio Lower Upper

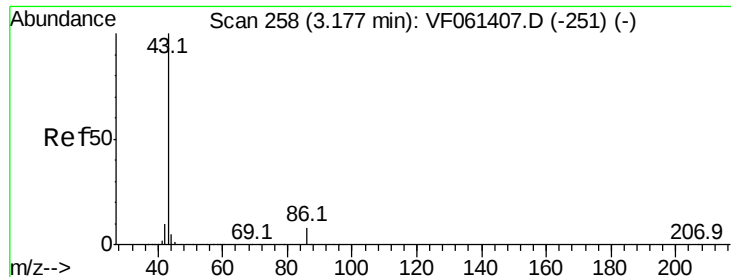
45 100

43 47.4 39.0 58.6

87 16.6 13.9 20.9

59 9.2 7.8 11.6





#23

Vinyl Acetate

Concen: 271.309 ug/l

RT: 3.18 min Scan# 259

Delta R.T. 0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

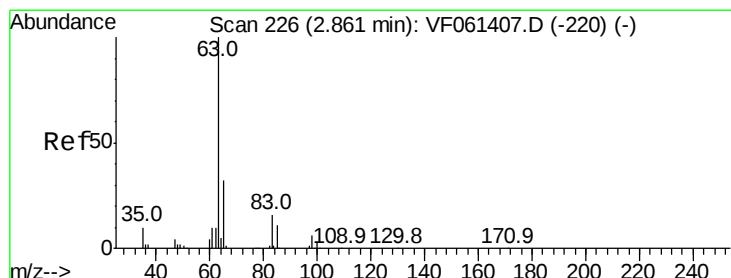
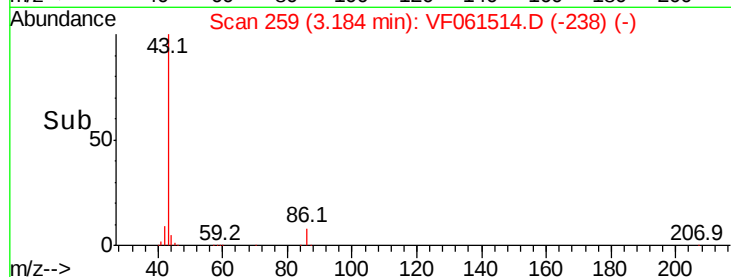
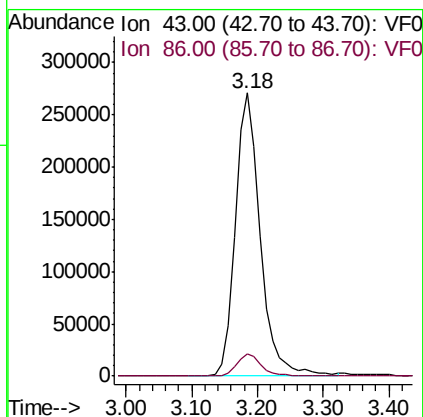
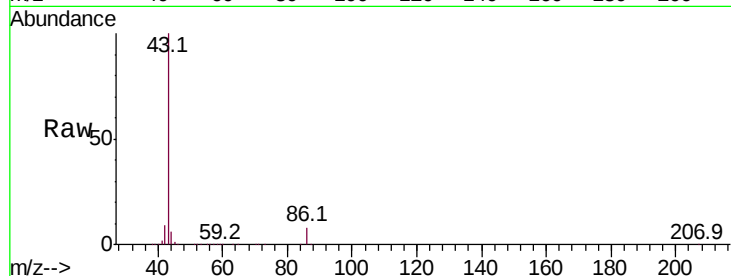
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 715822

Ion Ratio Lower Upper

43 100

86 7.7 6.2 9.4



#24

1,1-Dichloroethane

Concen: 47.216 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

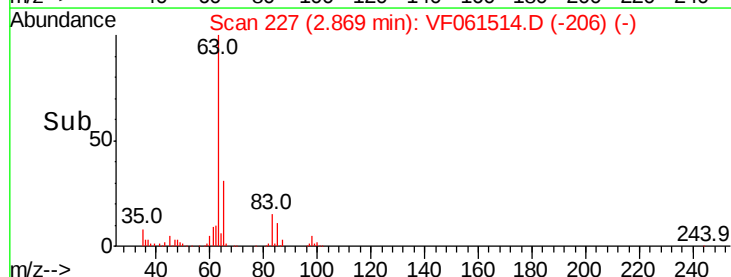
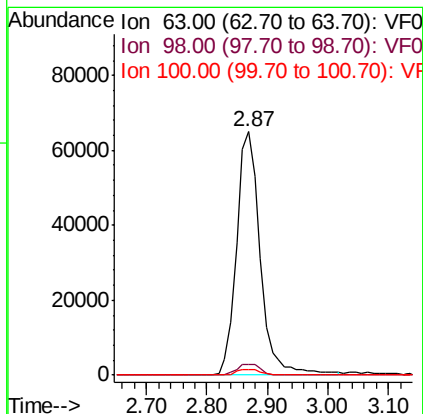
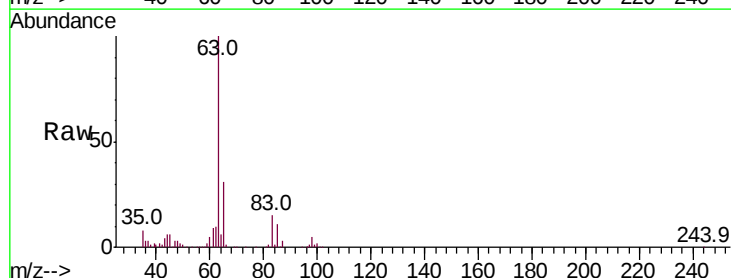
Tgt Ion: 63 Resp: 177576

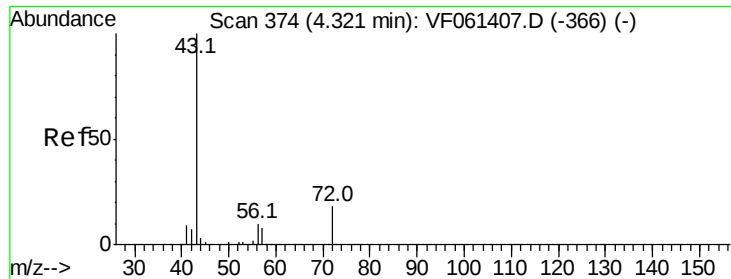
Ion Ratio Lower Upper

63 100

98 4.5 2.9 8.8

100 2.4 1.6 4.8





#25

2-Butanone

Concen: 276.312 ug/l

RT: 4.33 min Scan# 375

Delta R.T. 0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

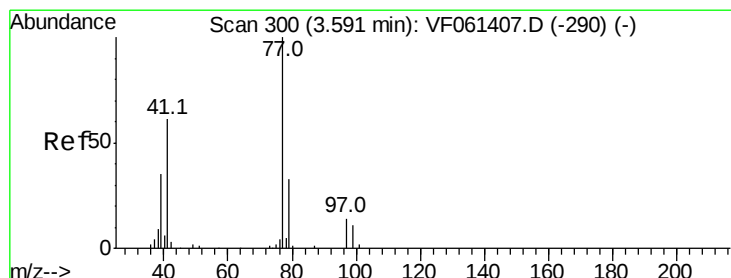
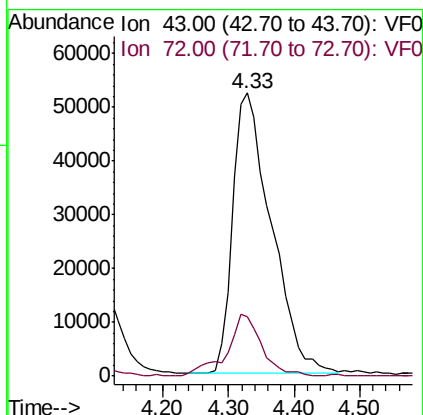
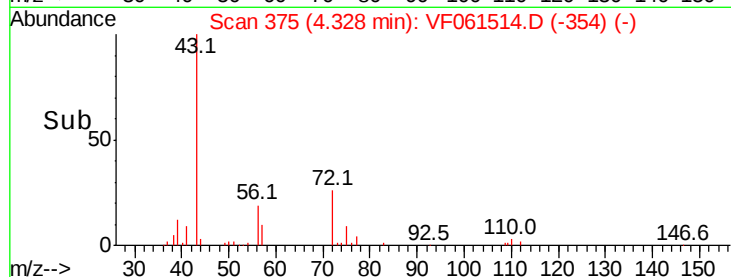
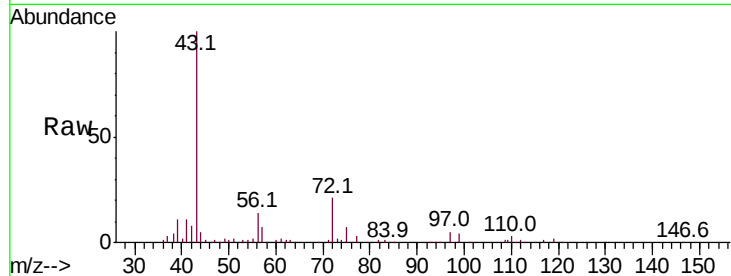
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 215471

Ion Ratio Lower Upper

43 100

72 20.8 15.8 23.6



#26

2,2-Dichloropropane

Concen: 45.432 ug/l

RT: 3.60 min Scan# 301

Delta R.T. 0.01 min

Lab File: VF061514.D

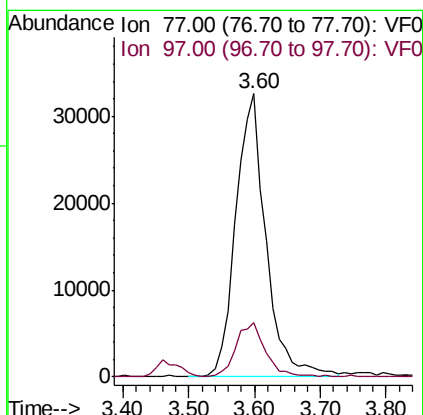
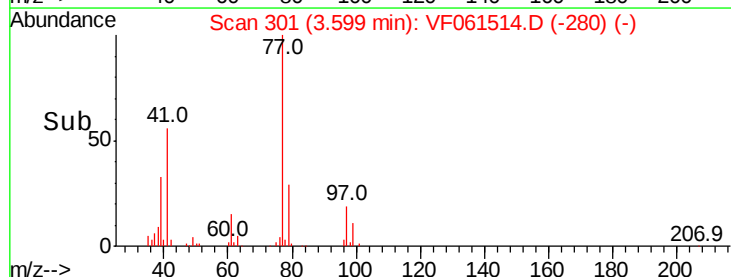
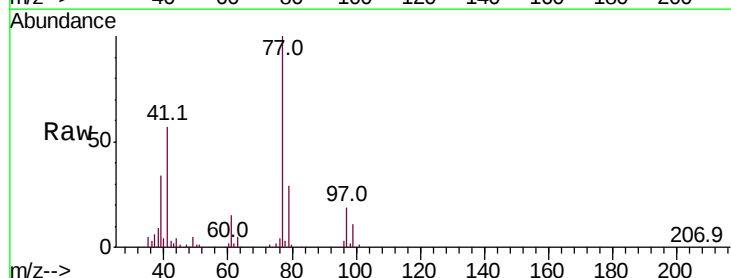
Acq: 25 Jan 2019 11:21

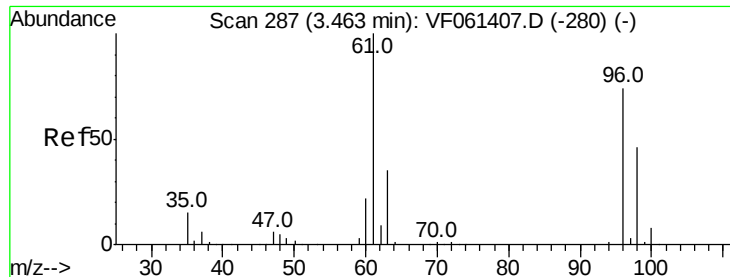
Tgt Ion: 77 Resp: 104980

Ion Ratio Lower Upper

77 100

97 19.0 8.5 25.5



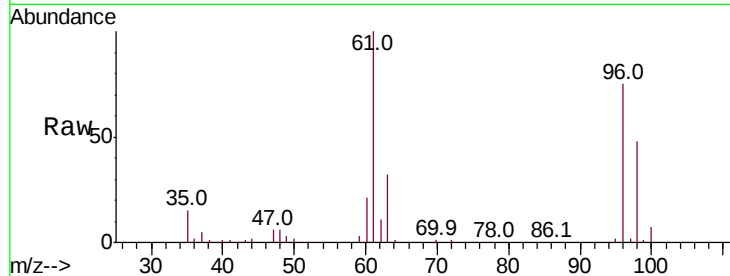


#27

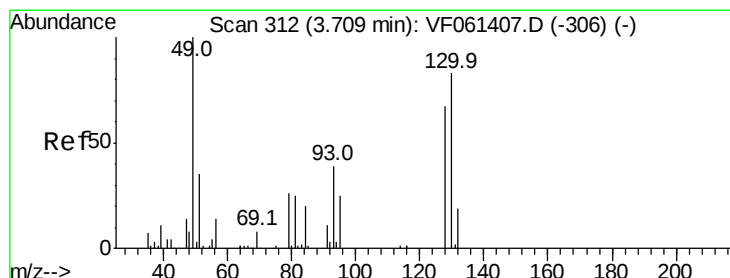
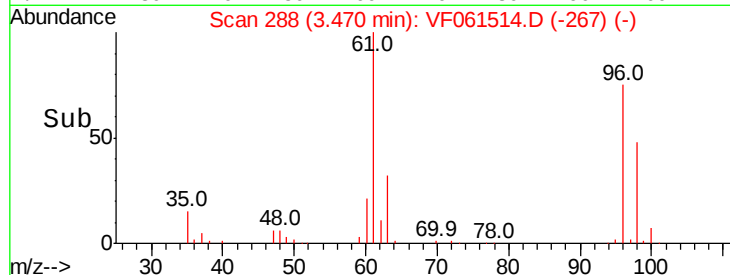
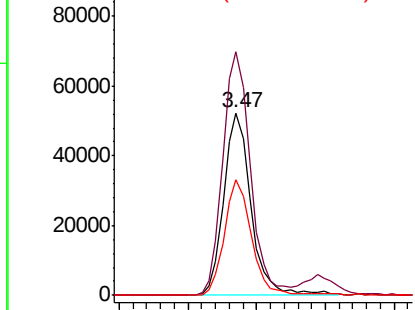
cis-1,2-Dichloroethene
Concen: 52.682 ug/l
RT: 3.47 min Scan# 288
Delta R.T. 0.01 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.7	0.0	270.2
98	63.7	0.0	124.0



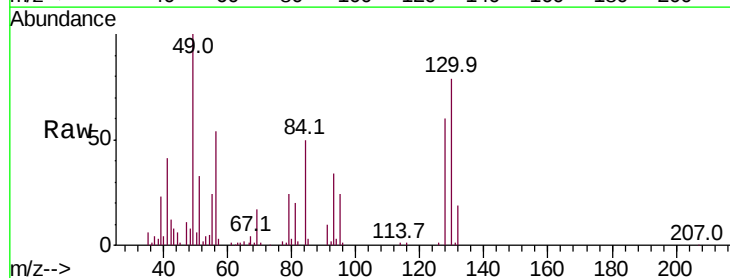
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



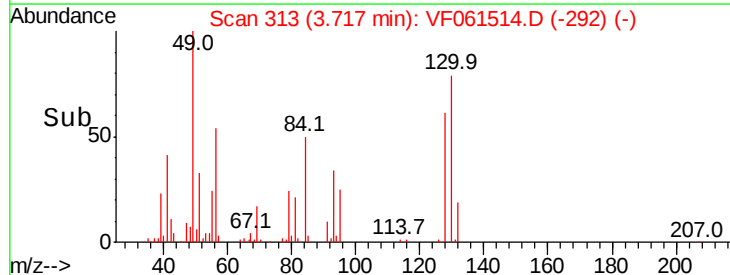
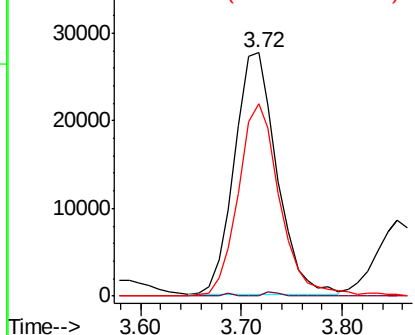
#28

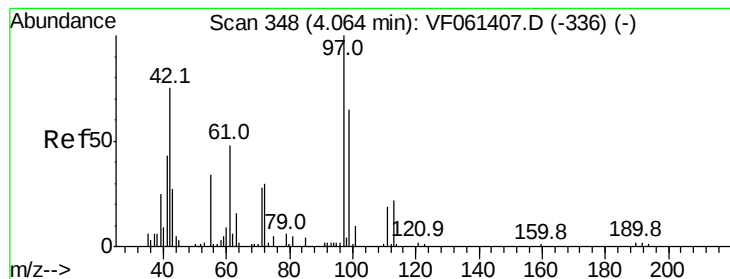
Bromochloromethane
Concen: 47.607 ug/l
RT: 3.72 min Scan# 313
Delta R.T. 0.01 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	78.8	65.4	98.2



Abundance Ion 49.00 (48.70 to 49.70): VF0
Ion 129.00 (128.70 to 129.70): V
Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 244.198 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.00 min

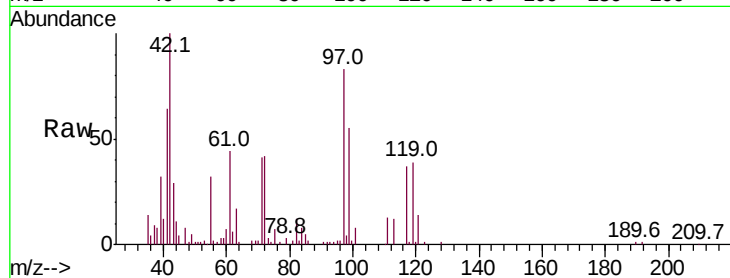
Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 42 Resp: 81997

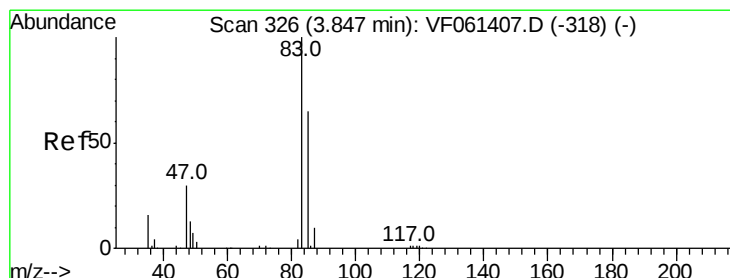
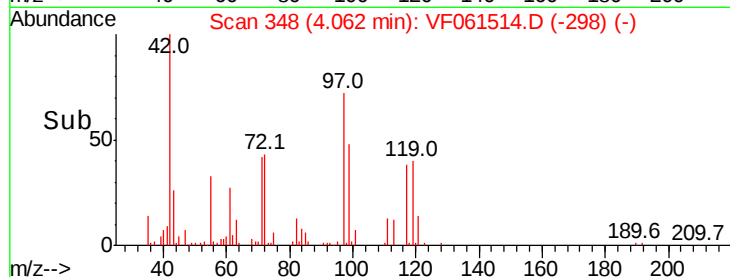
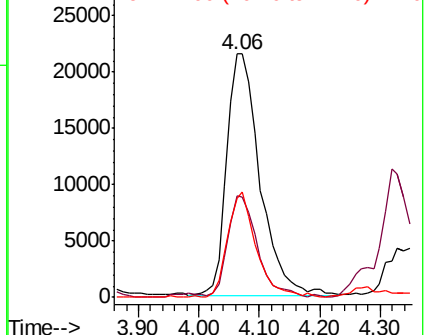
Ion	Ratio	Lower	Upper
42	100		
72	37.3	28.9	43.3
71	37.7	29.6	44.4



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 50.727 ug/l

RT: 3.85 min Scan# 327

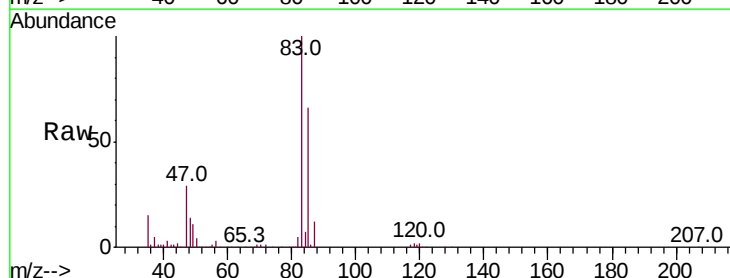
Delta R.T. 0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

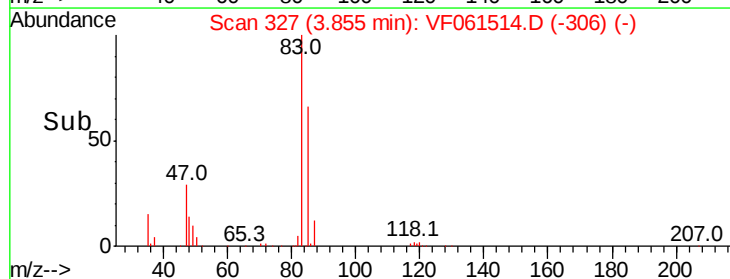
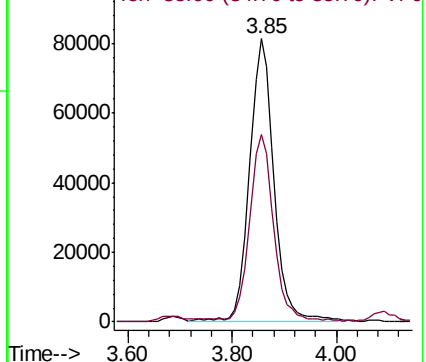
Tgt Ion: 83 Resp: 257475

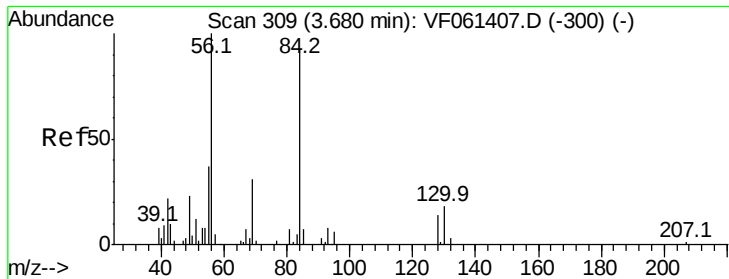
Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.7	79.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

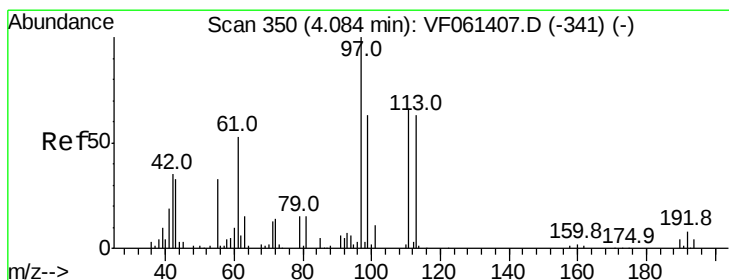
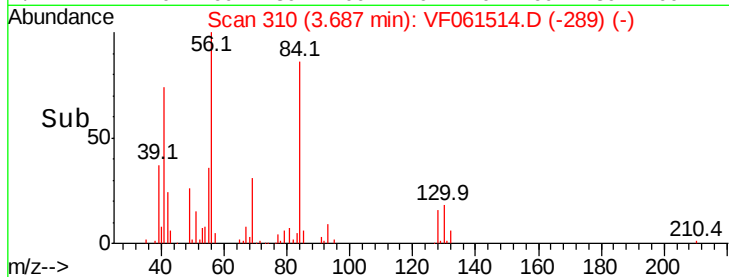
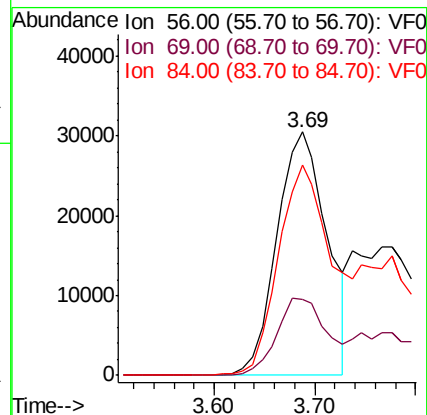
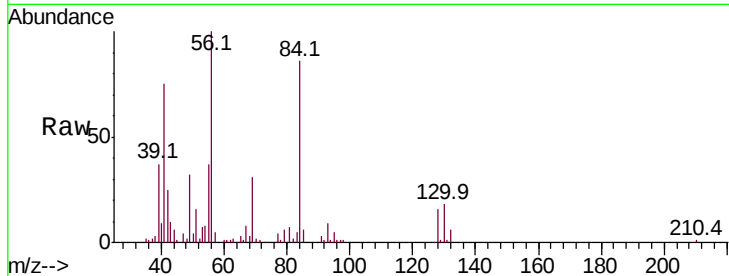




#31
Cvclohexane
Concen: 28.158 ug/l
RT: 3.69 min Scan# 310
Delta R.T. 0.01 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

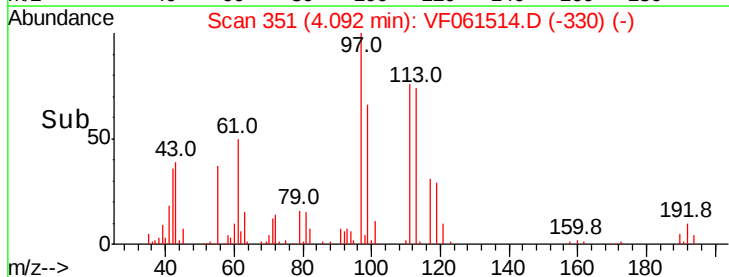
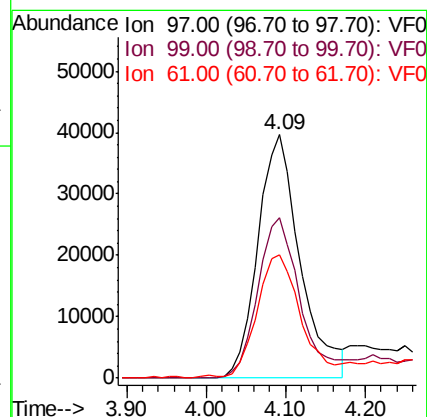
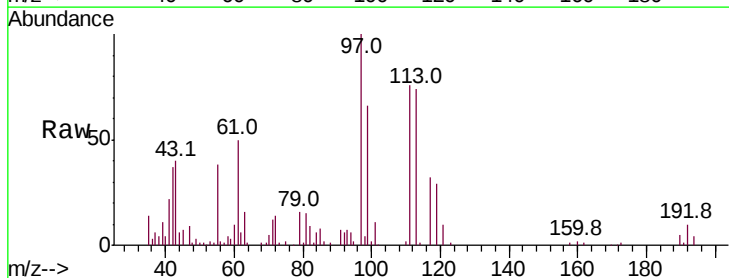
Instrument :
MSVOA_F
ClientSampleId :

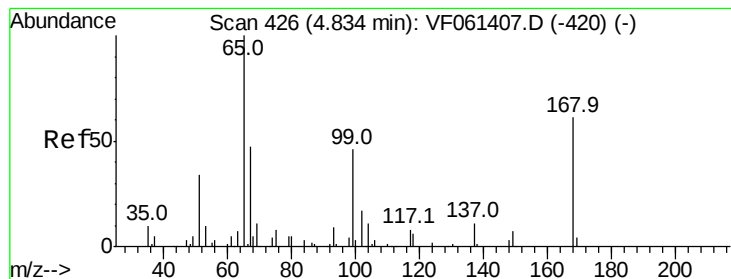
Tot Ion: 56 Resp: 105785
Ion Ratio Lower Upper
56 100
69 31.0 24.6 36.8
84 86.3 74.2 111.2



#32
1,1,1-Trichloroethane
Concen: 39.172 ug/l
RT: 4.09 min Scan# 351
Delta R.T. 0.01 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

Tgt Ion: 97 Resp: 145783
Ion Ratio Lower Upper
97 100
99 65.7 50.1 75.1
61 50.5 43.1 64.7





#33

1,2-Dichloroethane-d4

Concen: 46.040 ug/l

RT: 4.84 min Scan# 427

Delta R.T. 0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

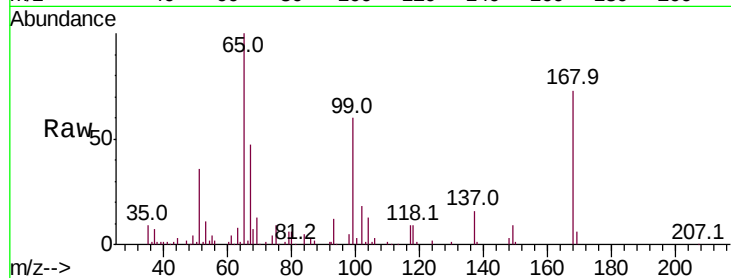
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 65 Resp: 107619

Ion Ratio Lower Upper

65 100

67 47.2 0.0 99.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.84

40000

30000

20000

10000

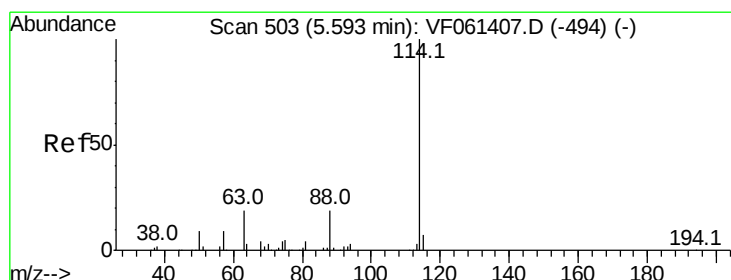
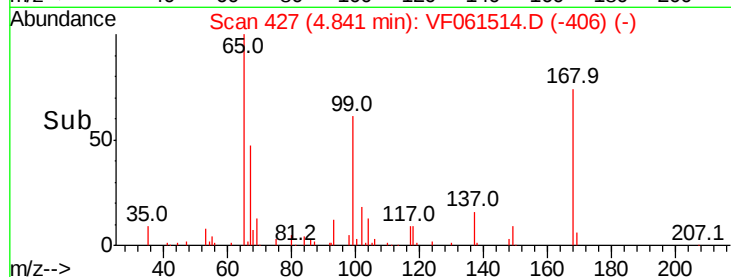
0

4.70

4.80

4.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.00 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

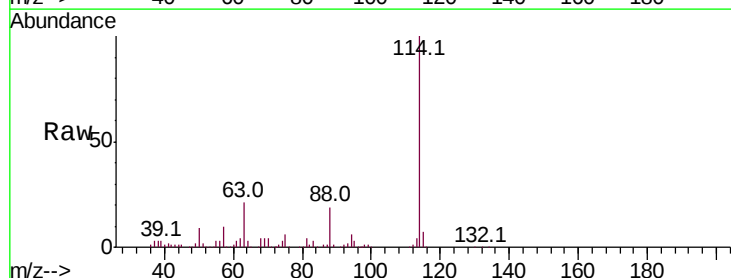
Tgt Ion: 114 Resp: 351132

Ion Ratio Lower Upper

114 100

63 21.3 0.0 39.0

88 19.4 0.0 37.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

150000

100000

50000

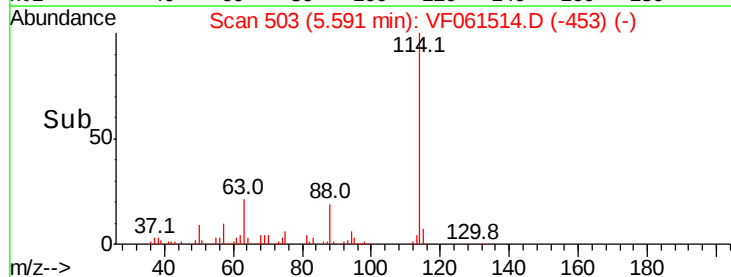
0

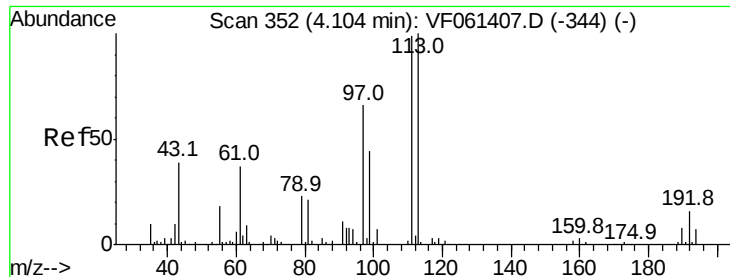
5.40

5.60

5.80

Time-->





#35

Dibromofluoromethane

Concen: 45.466 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Instrument :
MSVOA_F
ClientSampled :

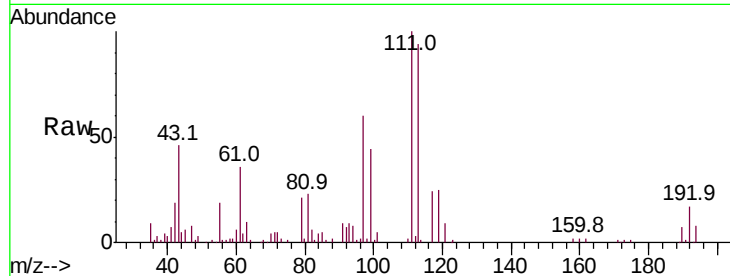
Tot Ion:113 Resp: 125975

Ion Ratio Lower Upper

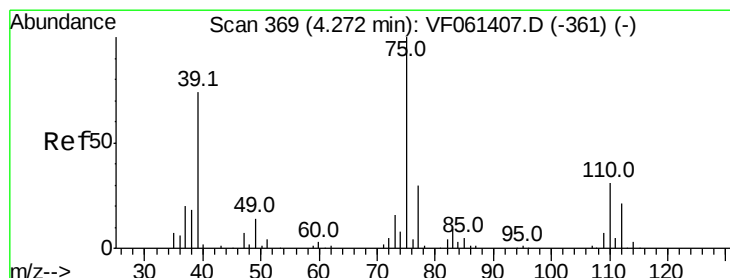
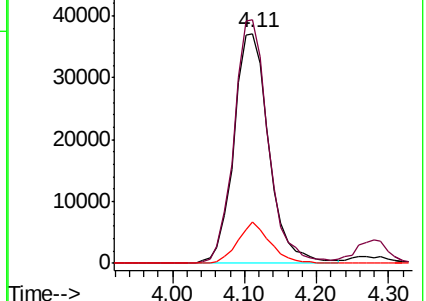
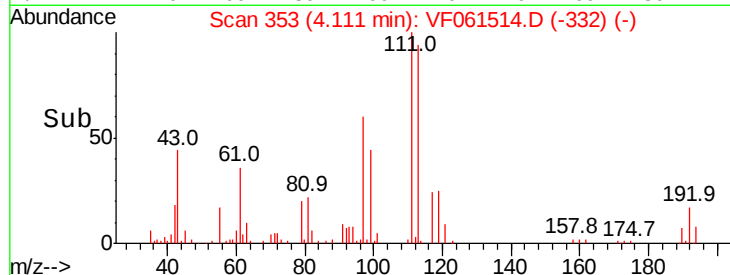
113 100

111 105.9 79.4 119.0

192 17.7 12.4 18.6



Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 48.344 ug/l

RT: 4.28 min Scan# 370

Delta R.T. 0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

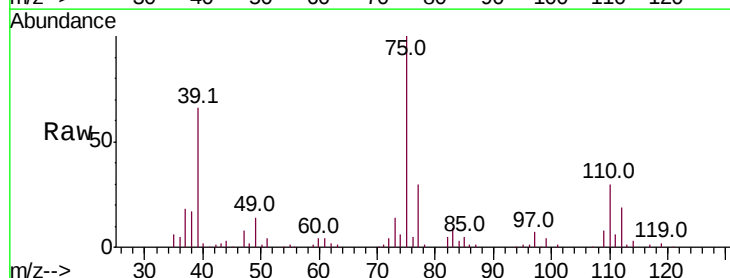
Tgt Ion: 75 Resp: 196818

Ion Ratio Lower Upper

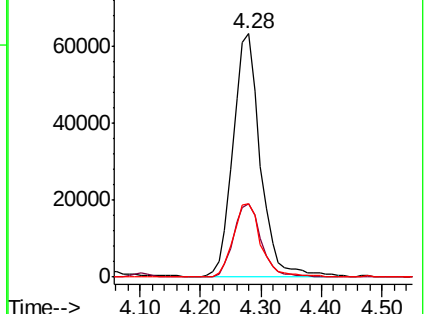
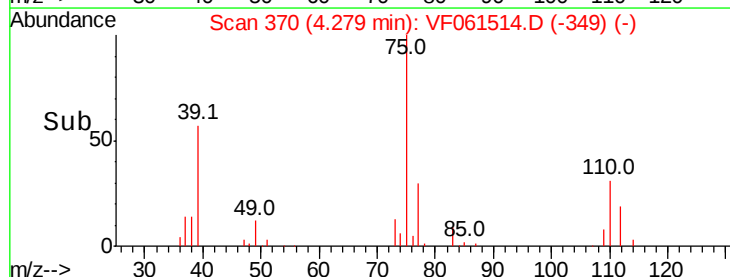
75 100

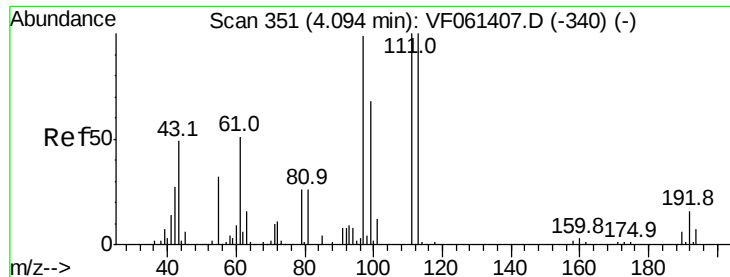
110 30.2 15.8 47.3

77 30.0 24.0 36.0



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 110.00 (109.70 to 110.70): V
Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 46.733 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.02 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Instrument :
MSVOA_F
ClientSampleId :

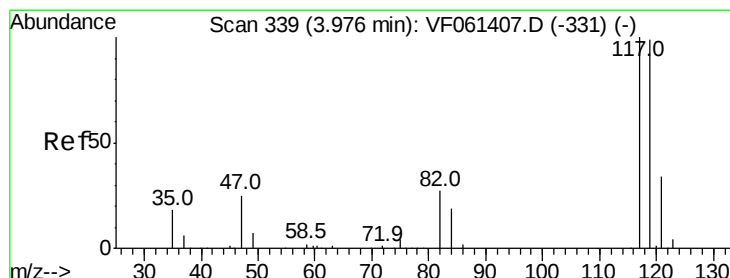
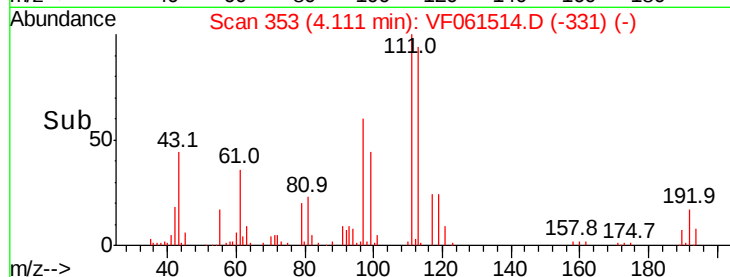
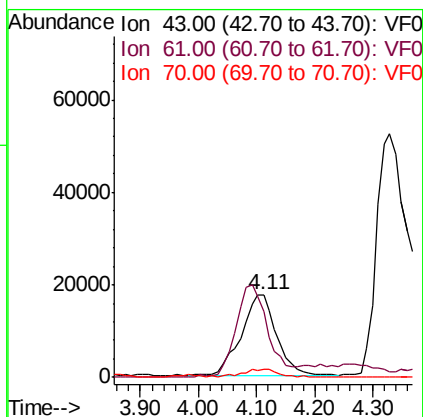
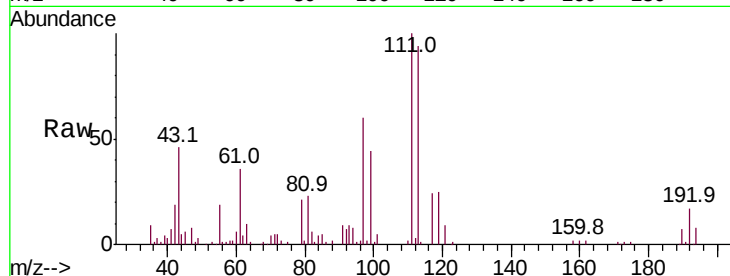
Tot Ion: 43 Resp: 76053

Ion Ratio Lower Upper

43 100

61 79.0 81.7 122.5#

70 9.2 6.2 9.2



#38

Carbon Tetrachloride

Concen: 40.383 ug/l

RT: 3.98 min Scan# 340

Delta R.T. 0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

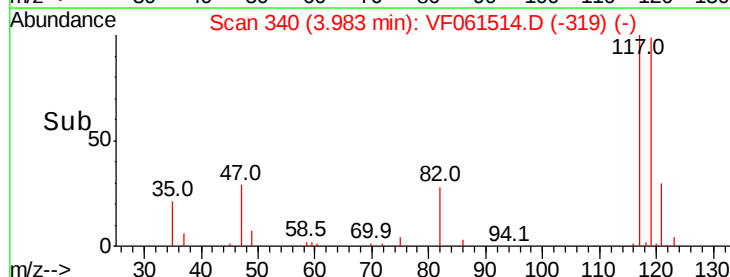
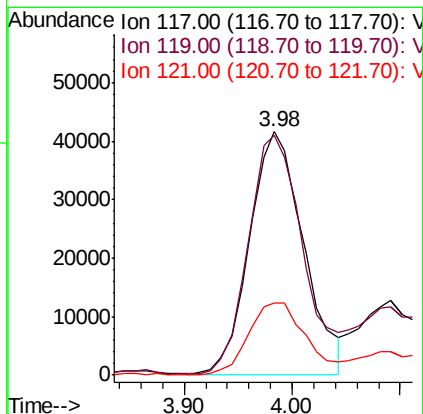
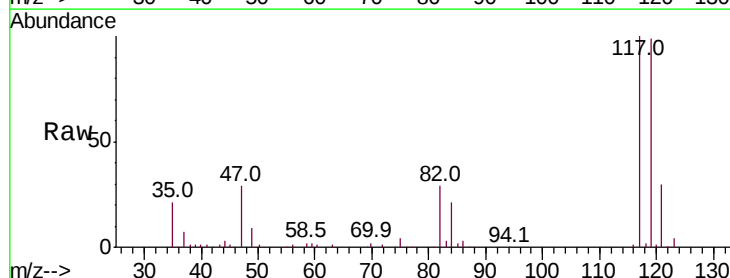
Tgt Ion: 117 Resp: 143731

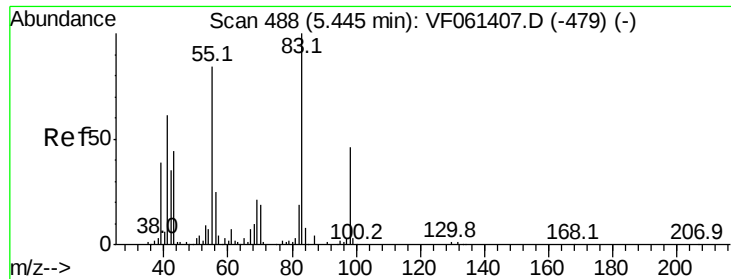
Ion Ratio Lower Upper

117 100

119 98.6 79.0 118.6

121 29.7 27.0 40.6

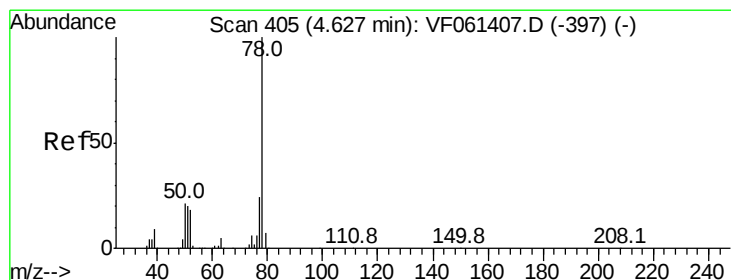
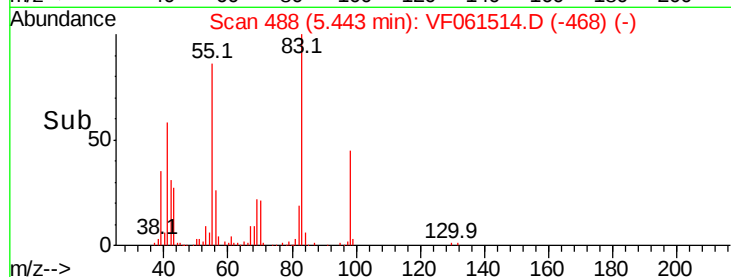
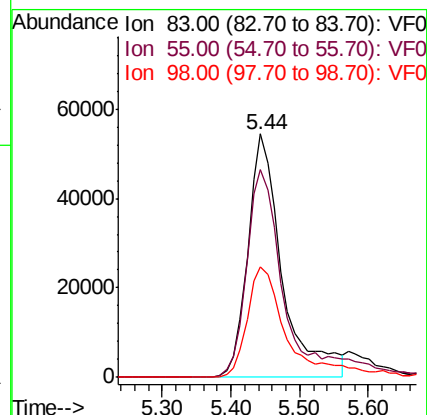
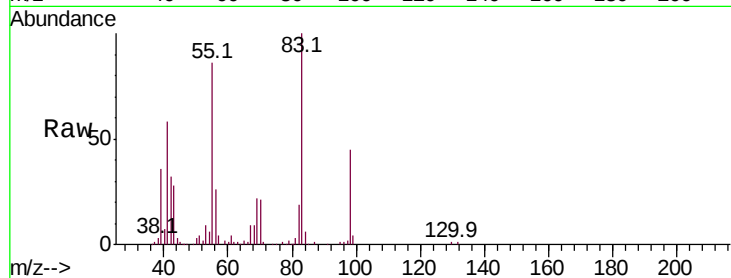




#39
Methvlcvclohexane
Concen: 42.920 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.00 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

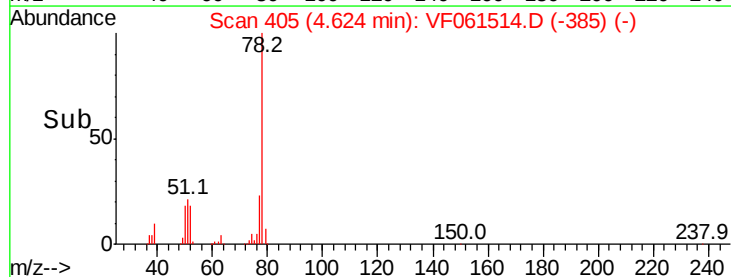
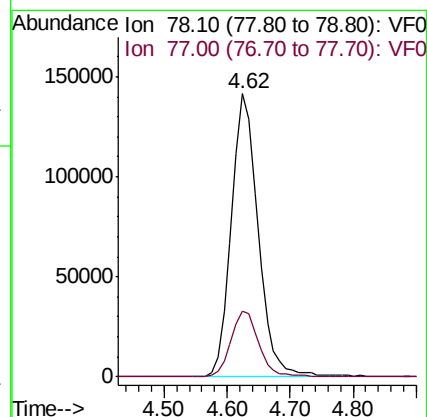
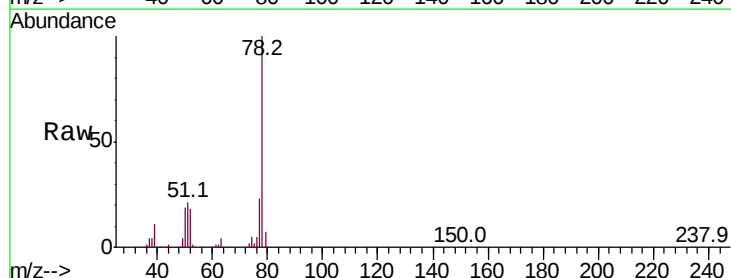
Instrument :
MSVOA_F
ClientSampleId :

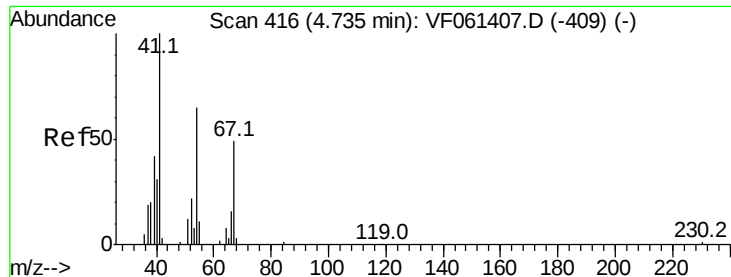
Tot Ion: 83 Resp: 189363
Ion Ratio Lower Upper
83 100
55 85.6 67.4 101.2
98 45.2 36.7 55.1



#40
Benzene
Concen: 46.018 ug/l
RT: 4.62 min Scan# 405
Delta R.T. -0.00 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

Tgt Ion: 78 Resp: 416879
Ion Ratio Lower Upper
78 100
77 23.0 19.0 28.6

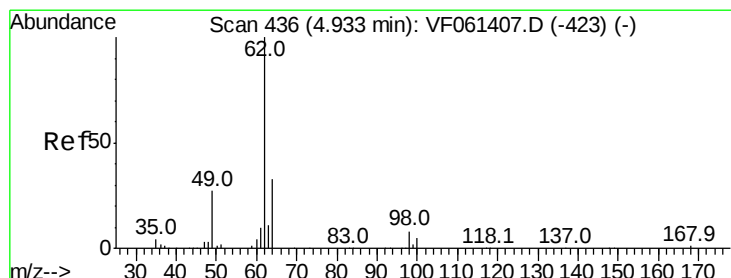
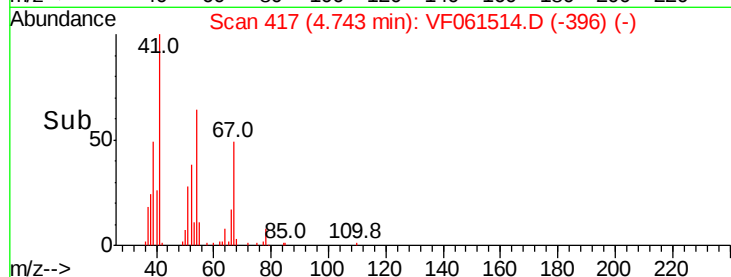
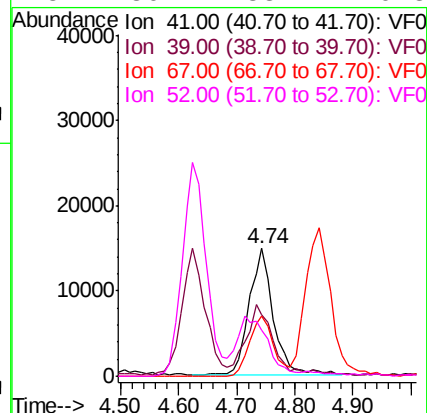
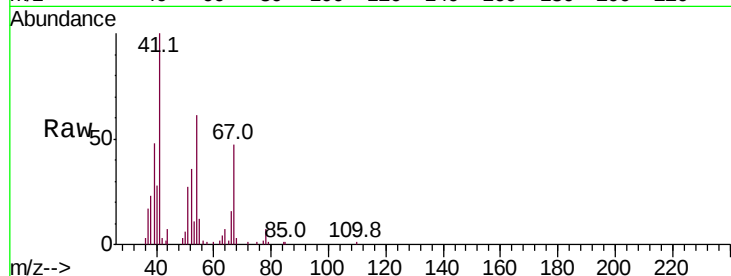




#41
Methacrylonitrile
Concen: 49.948 ug/l
RT: 4.74 min Scan# 417
Delta R.T. 0.01 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

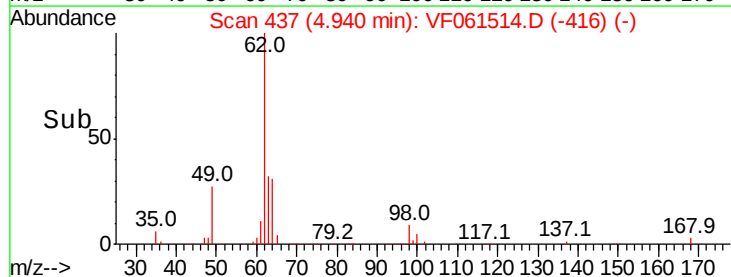
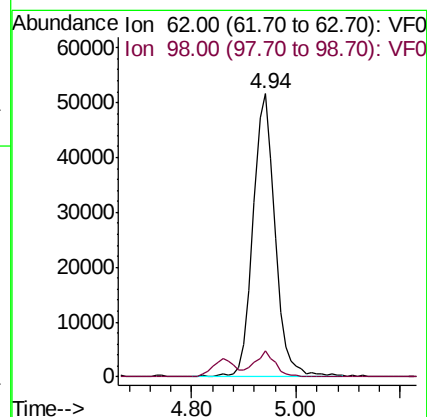
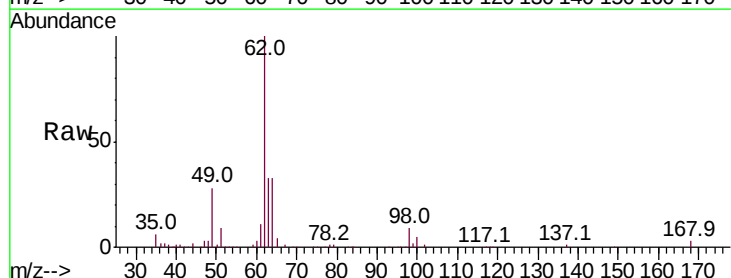
Instrument :
MSVOA_F
ClientSampleId :

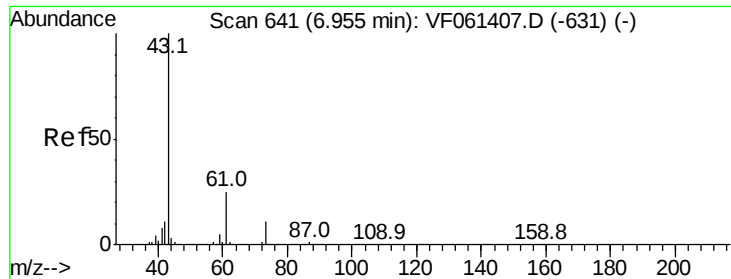
Tot Ion:	41	Resp:	43252
Ion	Ratio	Lower	Upper
41	100		
39	48.3	43.1	64.7
67	47.3	38.8	58.2
52	36.4	33.2	49.8



#42
1,2-Dichloroethane
Concen: 45.693 ug/l
RT: 4.94 min Scan# 437
Delta R.T. 0.01 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

Tgt Ion:	62	Resp:	147504
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	17.0



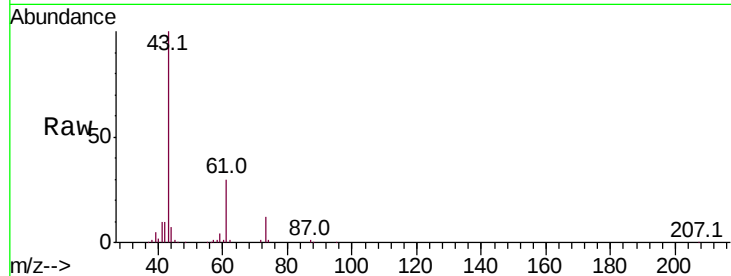


#43

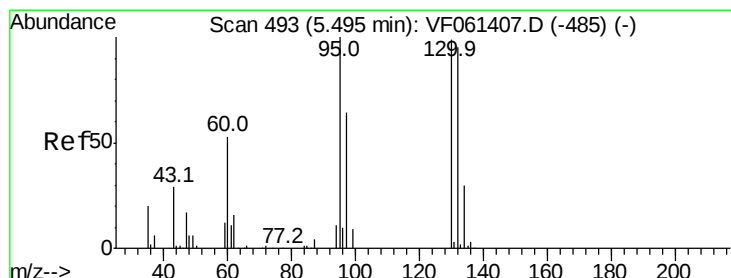
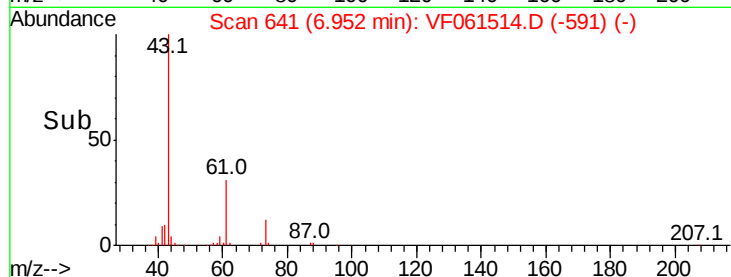
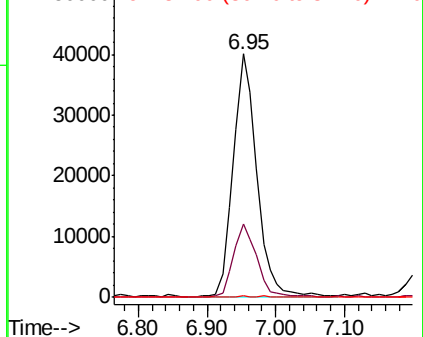
Isopropyl Acetate
 Concen: 47.408 ug/l
 RT: 6.95 min Scan# 641
 Delta R.T. -0.00 min
 Lab File: VF061514.D
 Acq: 25 Jan 2019 11:21

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion: 43 Resp: 96831
 Ion Ratio Lower Upper
 43 100
 61 30.1 20.3 30.5
 87 0.5 0.5 0.7



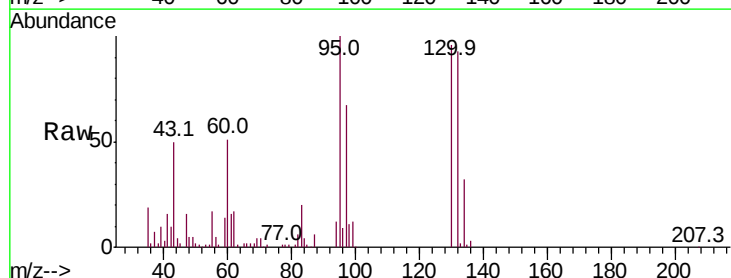
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



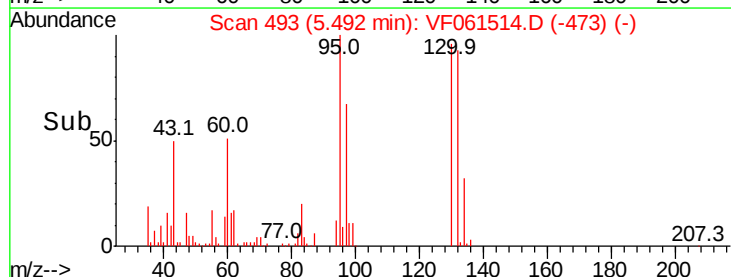
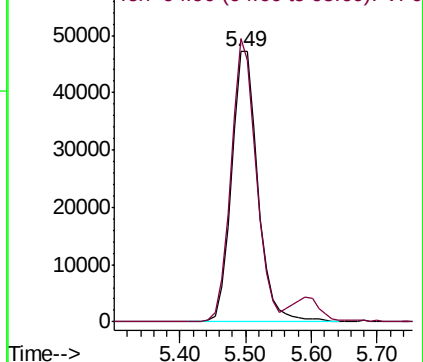
#44

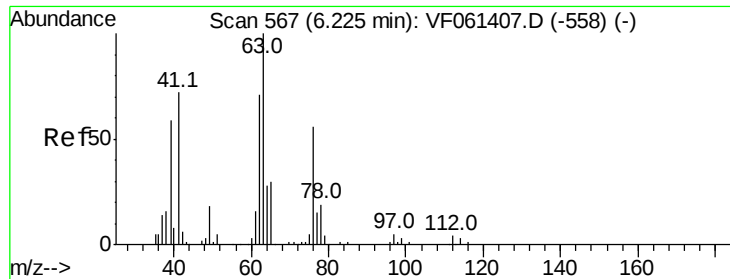
Trichloroethene
 Concen: 47.903 ug/l
 RT: 5.49 min Scan# 493
 Delta R.T. -0.00 min
 Lab File: VF061514.D
 Acq: 25 Jan 2019 11:21

Tgt Ion:130 Resp: 133122
 Ion Ratio Lower Upper
 130 100
 95 104.7 0.0 202.8



Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 48.480 ug/l

RT: 6.23 min Scan# 568

Delta R.T. 0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

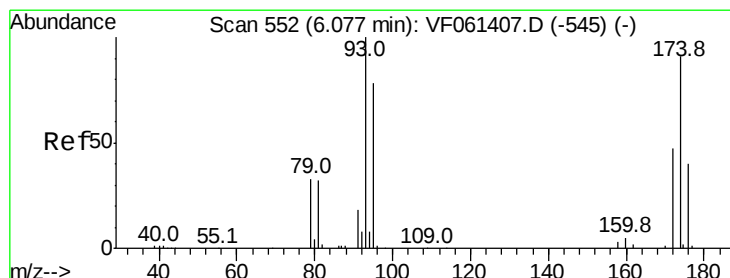
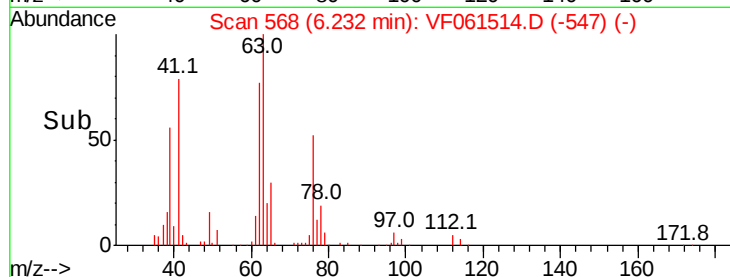
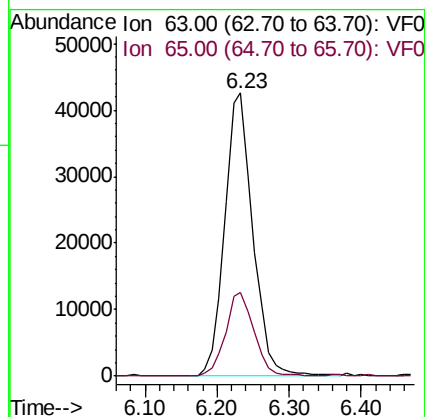
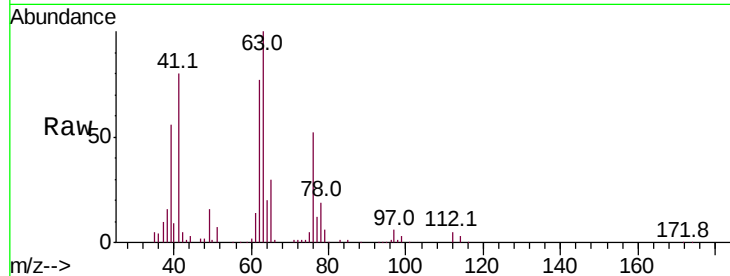
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 115267

Ion Ratio Lower Upper

63 100

65 29.5 24.4 36.6



#46

Dibromomethane

Concen: 48.285 ug/l

RT: 6.08 min Scan# 553

Delta R.T. 0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

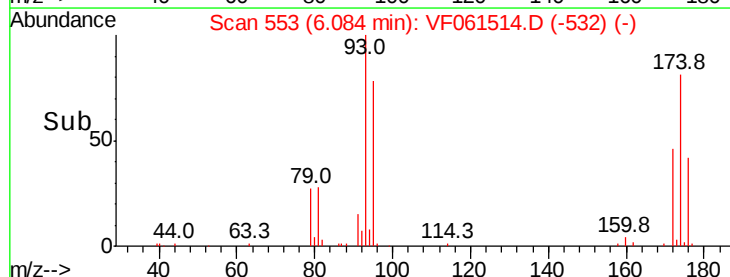
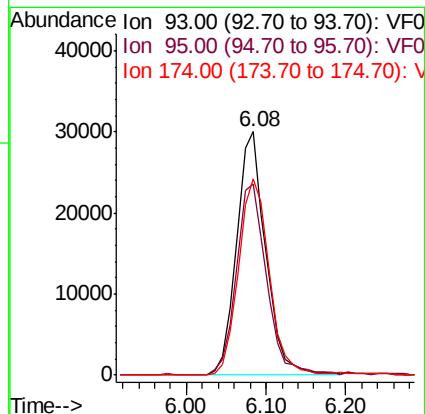
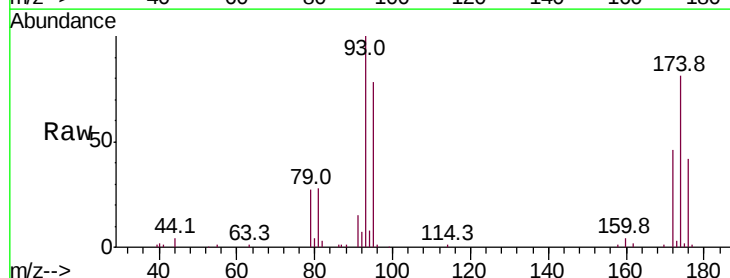
Tgt Ion: 93 Resp: 76336

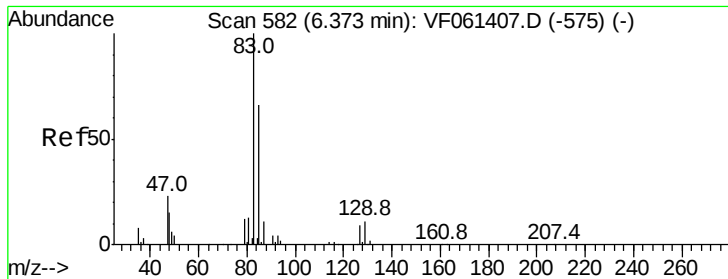
Ion Ratio Lower Upper

93 100

95 78.3 62.1 93.1

174 80.8 74.6 111.8





#47

Bromodichloromethane

Concen: 46.840 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Instrument :
MSVOA_F
ClientSampleId :

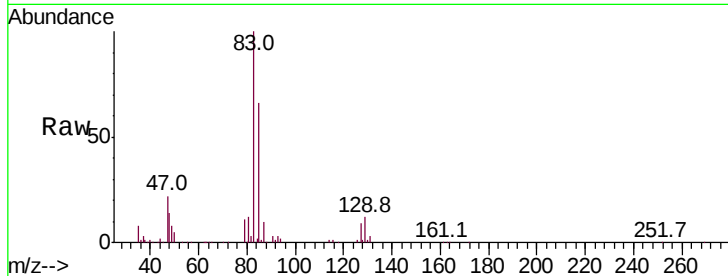
Tot Ion: 83 Resp: 183217

Ion Ratio Lower Upper

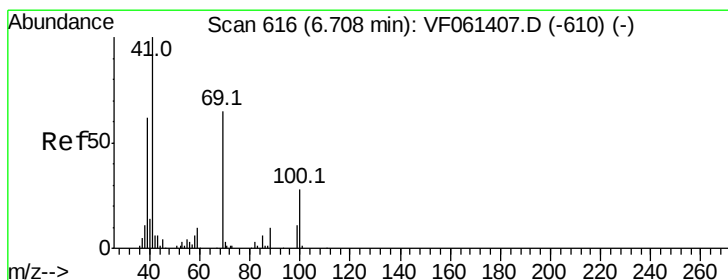
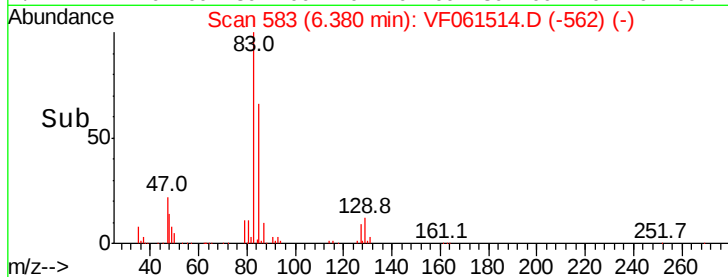
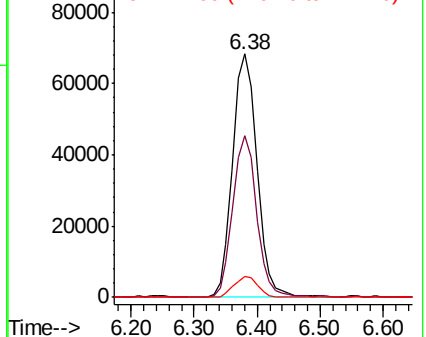
83 100

85 66.3 53.0 79.4

127 8.7 6.9 10.3



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 46.812 ug/l

RT: 6.72 min Scan# 617

Delta R.T. 0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

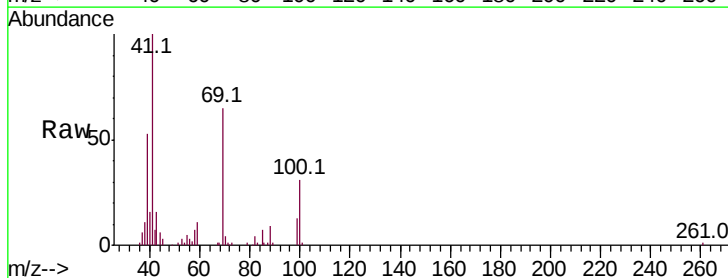
Tgt Ion: 41 Resp: 64204

Ion Ratio Lower Upper

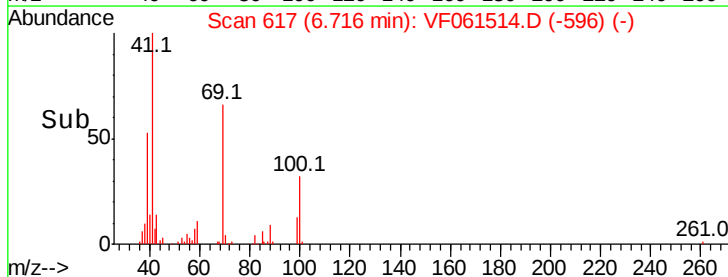
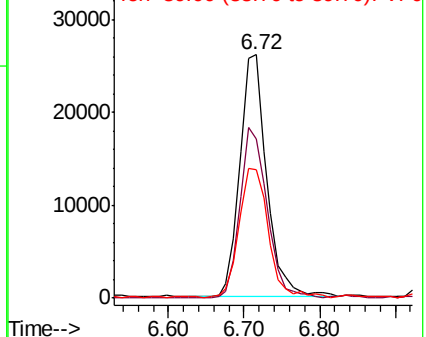
41 100

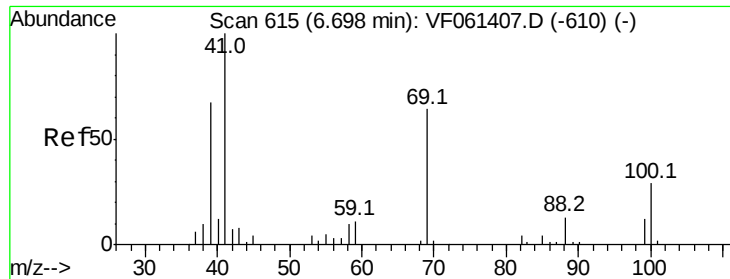
69 65.2 51.7 77.5

39 52.5 49.2 73.8



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0

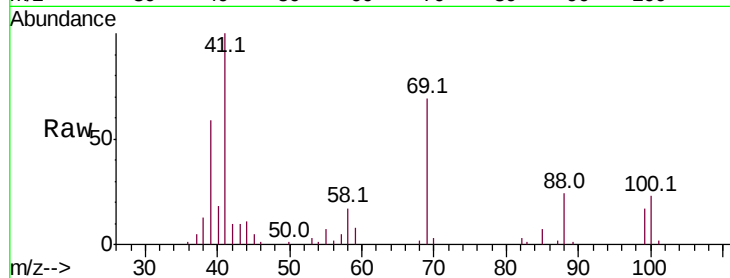




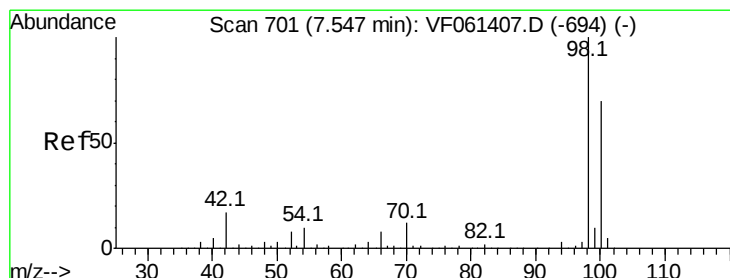
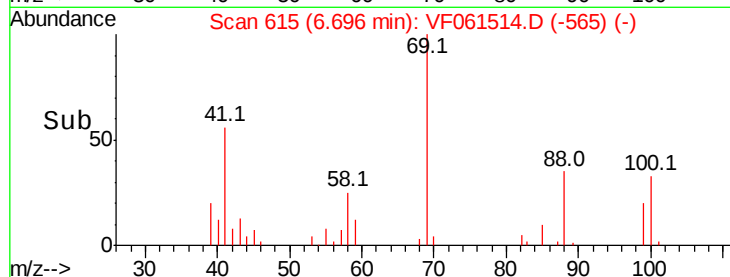
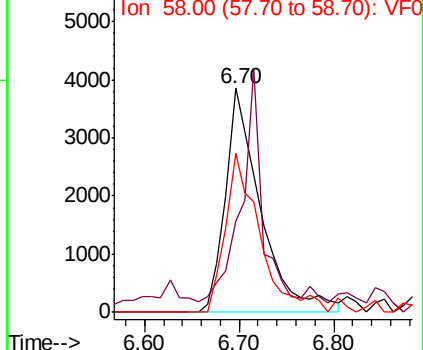
#49
1,4-Dioxane
Concen: 1042.215 ug/l
RT: 6.70 min Scan# 615
Delta R.T. -0.00 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 88 Resp: 9950
Ion Ratio Lower Upper
88 100
43 40.8 55.5 83.3#
58 71.1 59.9 89.9

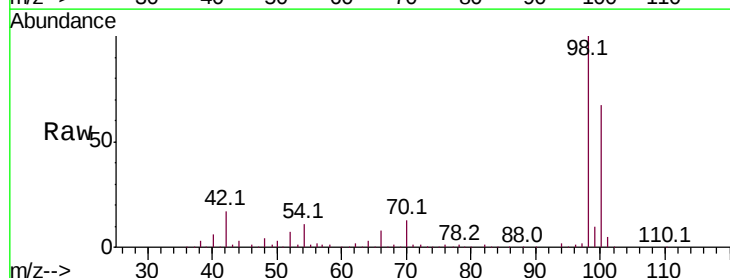


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

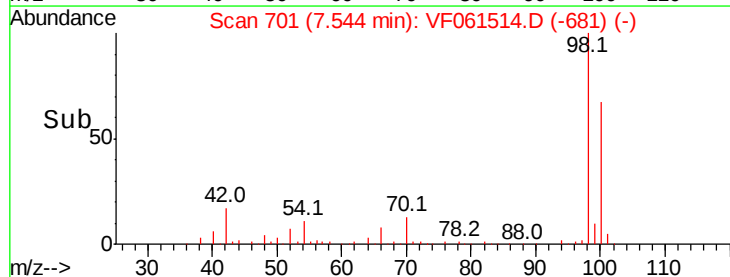
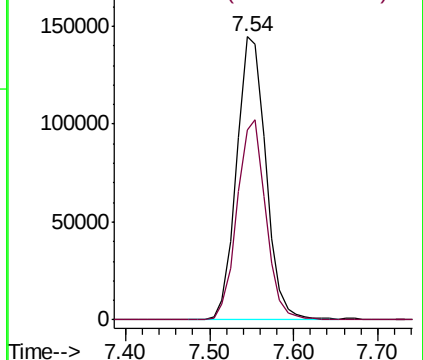


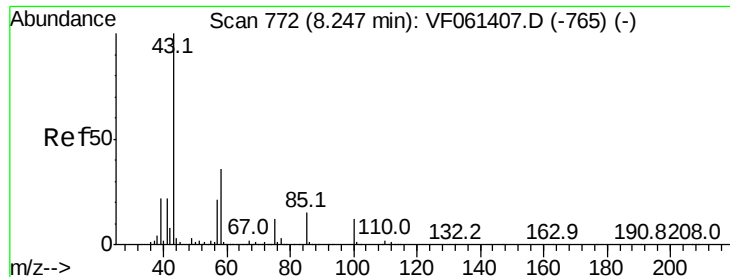
#50
Toluene-d8
Concen: 46.299 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.00 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

Tgt Ion: 98 Resp: 351467
Ion Ratio Lower Upper
98 100
100 67.2 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 237.739 ug/l

RT: 8.25 min Scan# 773

Delta R.T. 0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

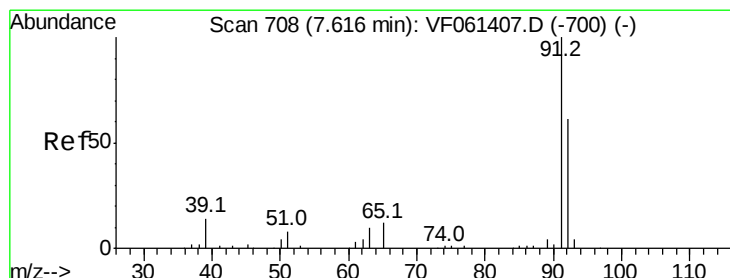
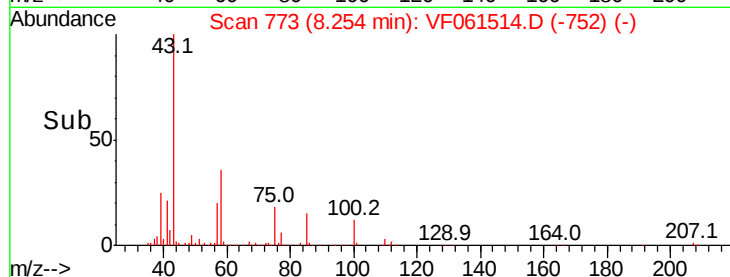
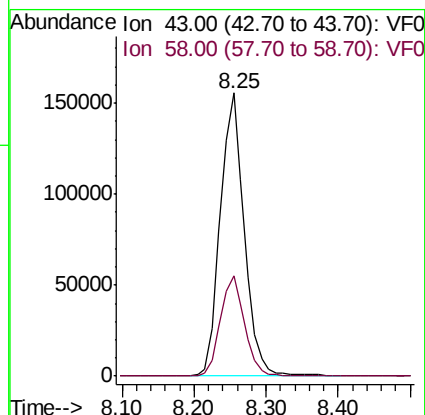
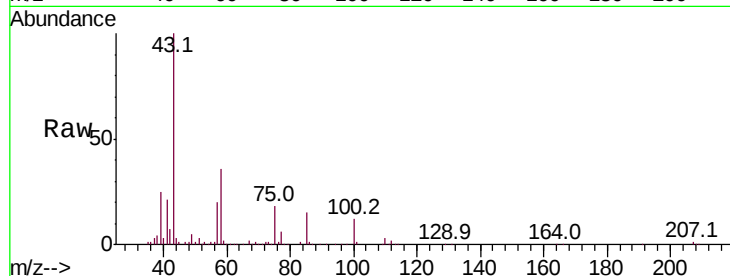
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 356978

Ion Ratio Lower Upper

43 100

58 35.6 28.8 43.2



#52

Toluene

Concen: 44.242 ug/l

RT: 7.62 min Scan# 709

Delta R.T. 0.01 min

Lab File: VF061514.D

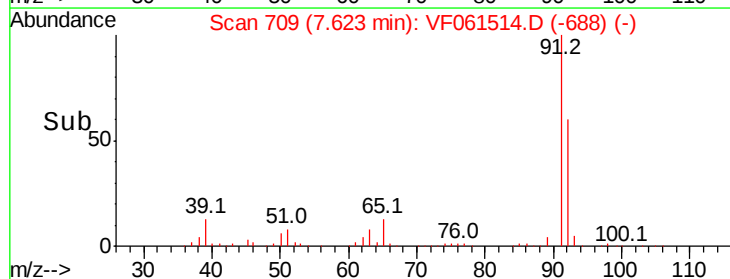
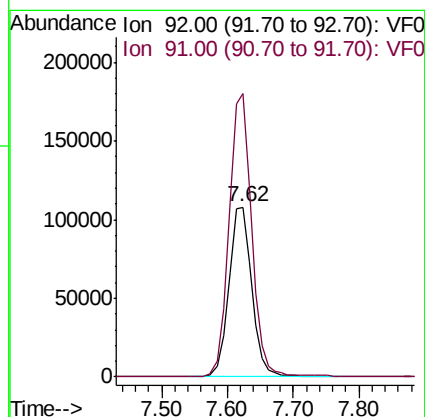
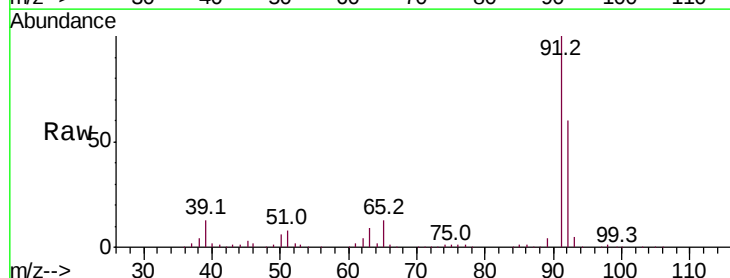
Acq: 25 Jan 2019 11:21

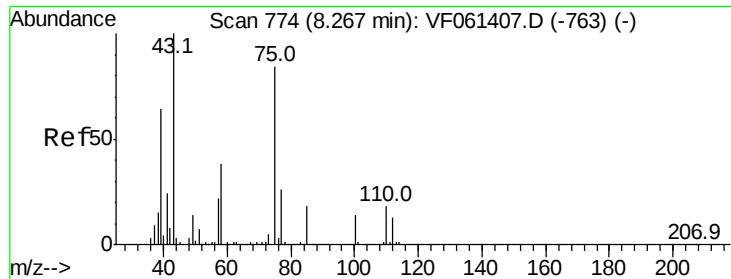
Tgt Ion: 92 Resp: 263936

Ion Ratio Lower Upper

92 100

91 166.8 131.2 196.8

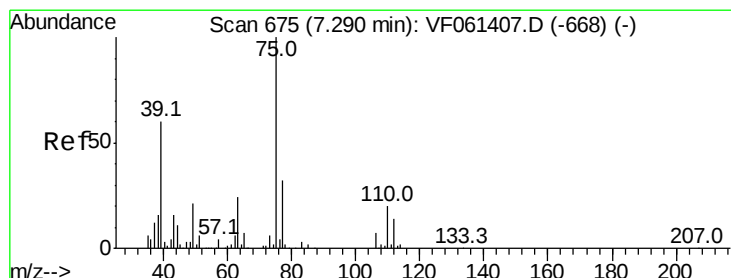
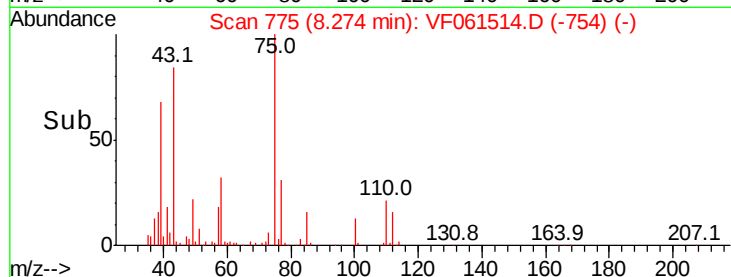
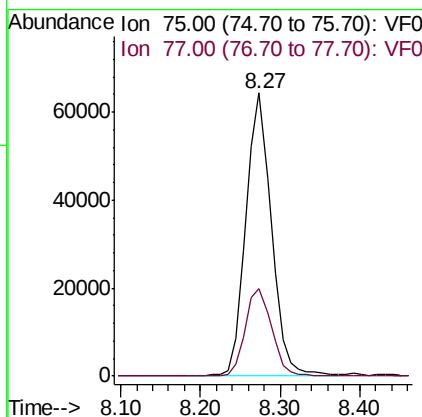
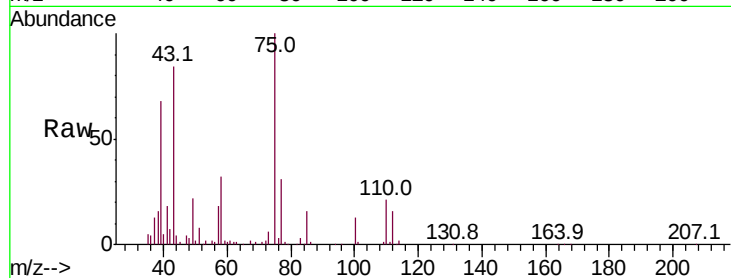




#53
t-1,3-Dichloropropene
Concen: 45.819 ug/l
RT: 8.27 min Scan# 775
Delta R.T. 0.01 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

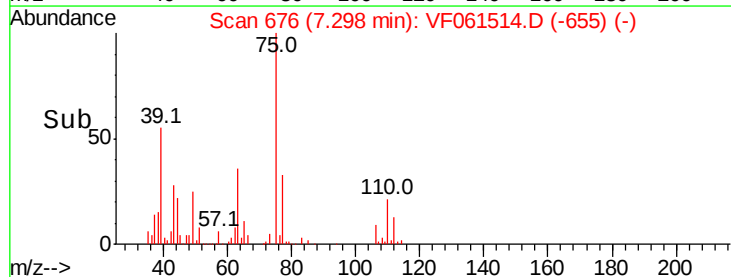
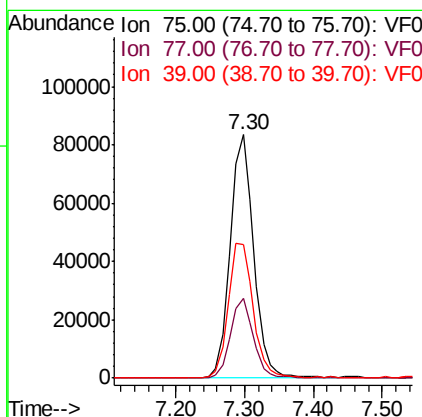
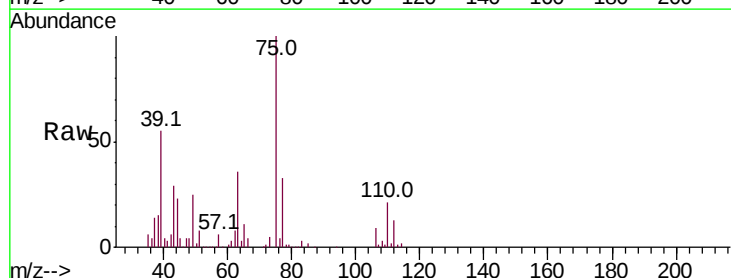
Instrument :
MSVOA_F
ClientSampleId :

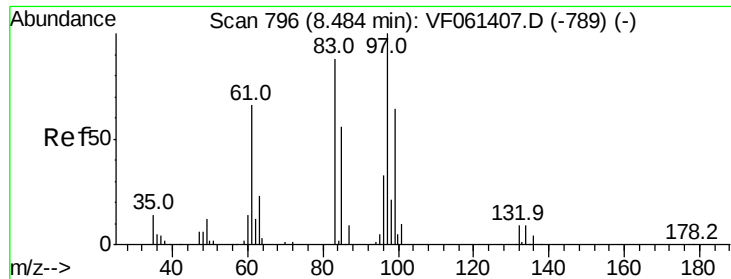
Tot Ion: 75 Resp: 142316
Ion Ratio Lower Upper
75 100
77 31.1 24.4 36.6



#54
cis-1,3-Dichloropropene
Concen: 50.885 ug/l
RT: 7.30 min Scan# 676
Delta R.T. 0.01 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

Tgt Ion: 75 Resp: 197558
Ion Ratio Lower Upper
75 100
77 32.8 25.4 38.0
39 54.7 47.8 71.8





#55

1,1,2-Trichloroethane

Concen: 48.706 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.00 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 97 Resp: 82512

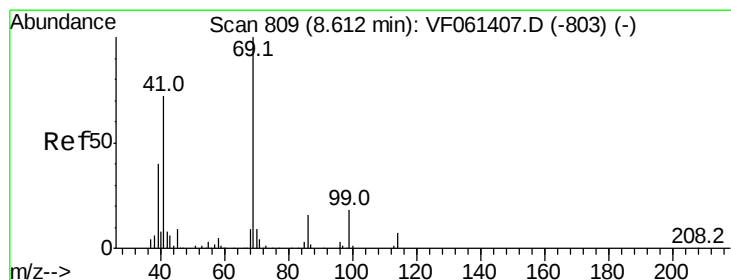
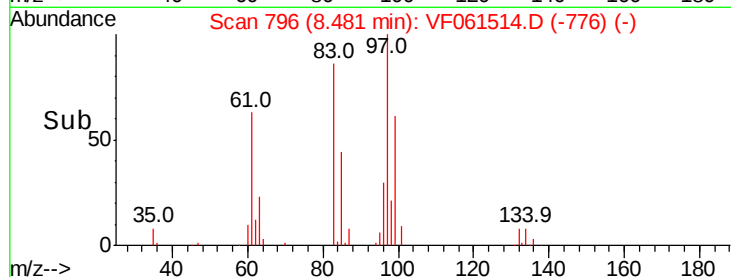
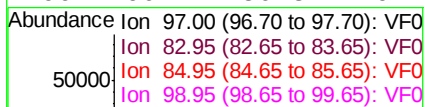
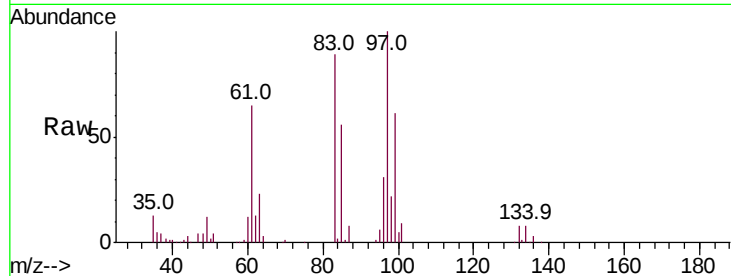
Ion	Ratio	Lower	Upper
97	100		
83	89.4	70.4	105.6
85	56.2	44.7	67.1
99	60.7	50.8	76.2

97 100

83 89.4 70.4 105.6

85 56.2 44.7 67.1

99 60.7 50.8 76.2



#56

Ethyl methacrylate

Concen: 43.533 ug/l

RT: 8.61 min Scan# 809

Delta R.T. -0.00 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

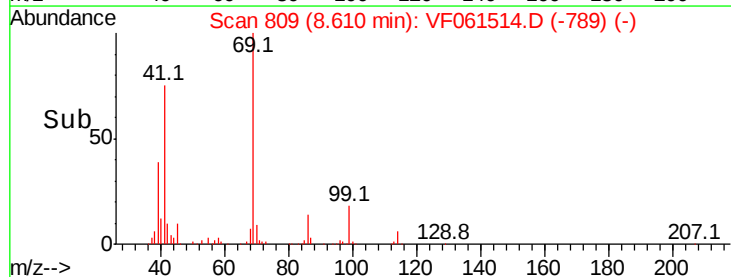
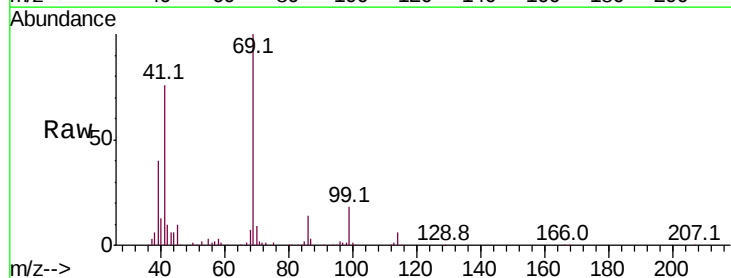
Tgt Ion: 69 Resp: 85802

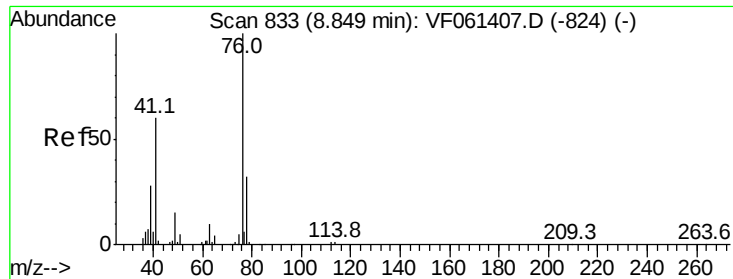
Ion	Ratio	Lower	Upper
69	100		
41	75.7	57.5	86.3
39	40.1	32.0	48.0

69 100

41 75.7 57.5 86.3

39 40.1 32.0 48.0





#57

1,3-Dichloropropane

Concen: 46.130 ug/l

RT: 8.85 min Scan# 833

Delta R.T. -0.00 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

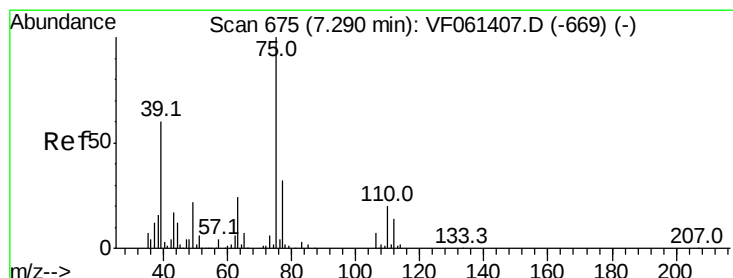
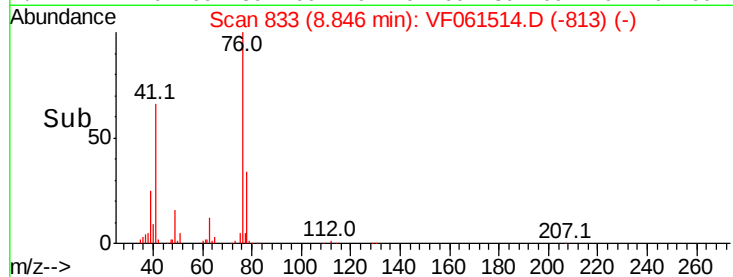
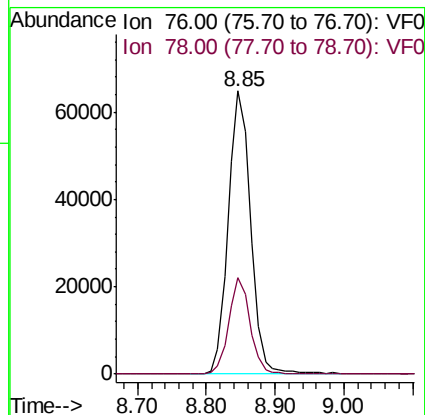
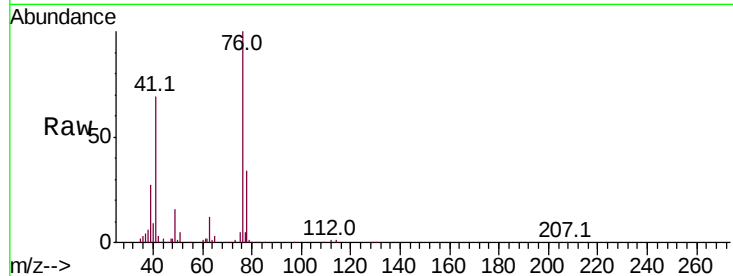
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 146479

Ion Ratio Lower Upper

76 100

78 34.1 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 370.318 ug/l

RT: 7.29 min Scan# 675

Delta R.T. -0.00 min

Lab File: VF061514.D

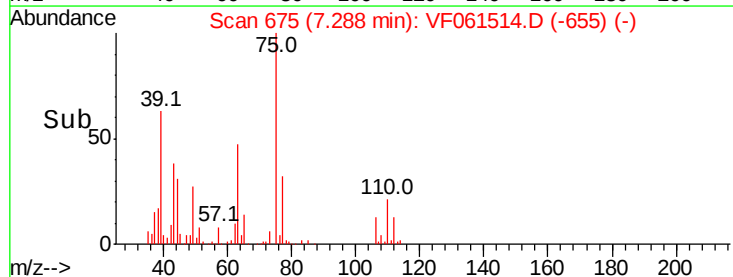
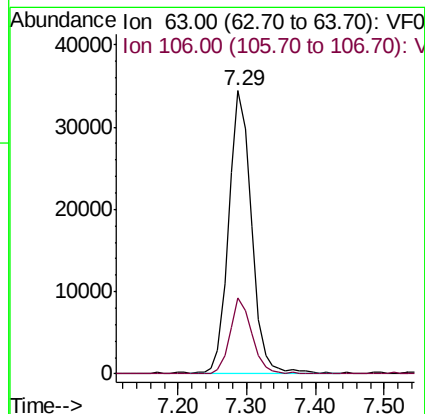
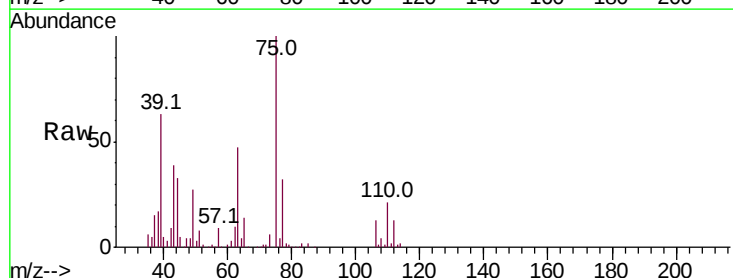
Acq: 25 Jan 2019 11:21

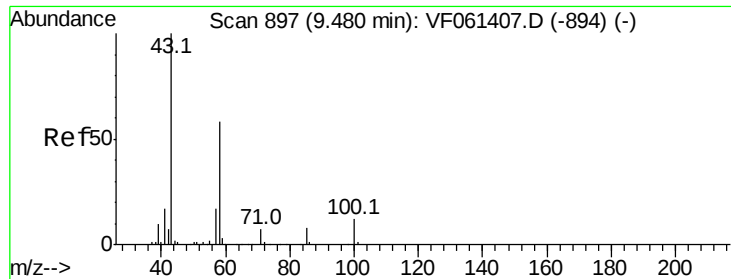
Tgt Ion: 63 Resp: 79613

Ion Ratio Lower Upper

63 100

106 27.0 21.9 32.9





#59

2-Hexanone

Concen: 236.682 ug/l

RT: 9.49 min Scan# 898

Delta R.T. 0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Instrument :

MSVOA_F

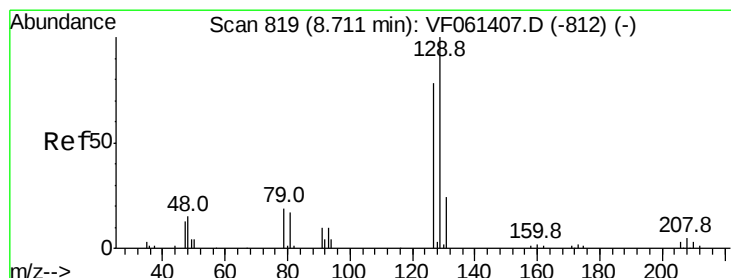
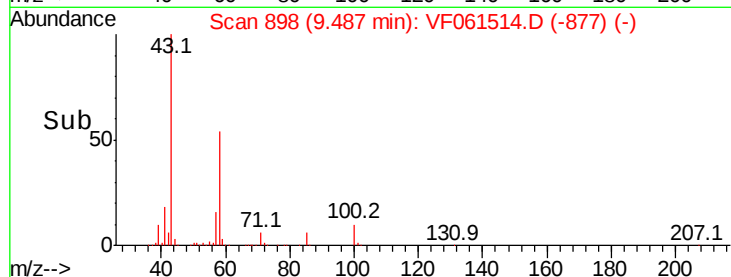
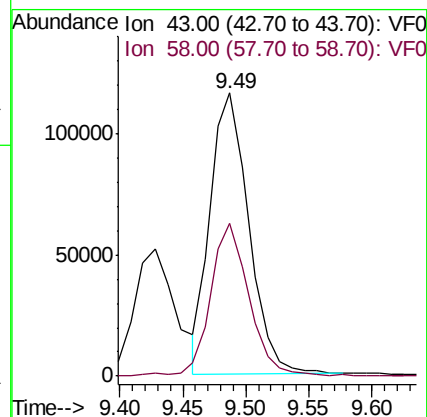
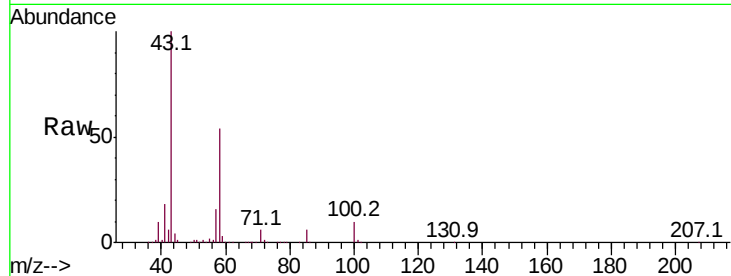
ClientSampleId :

Tot Ion: 43 Resp: 247821

Ion Ratio Lower Upper

43 100

58 53.9 25.9 77.6



#60

Dibromochloromethane

Concen: 47.496 ug/l

RT: 8.71 min Scan# 819

Delta R.T. -0.00 min

Lab File: VF061514.D

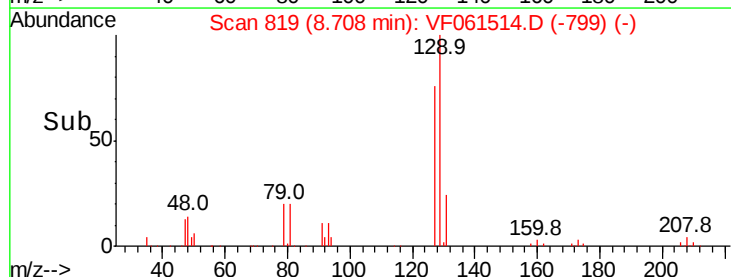
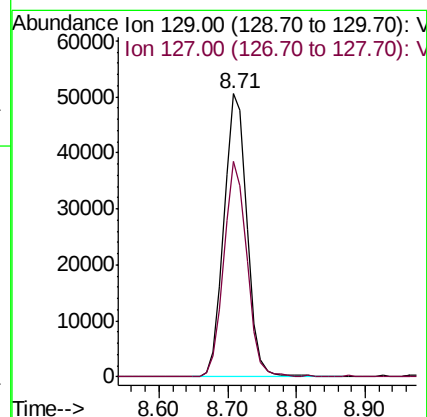
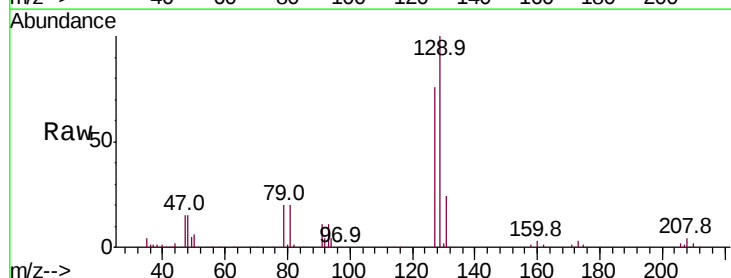
Acq: 25 Jan 2019 11:21

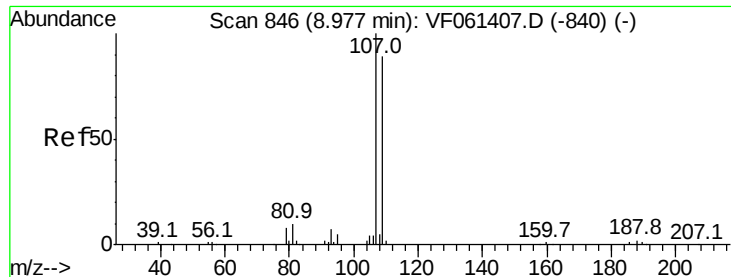
Tgt Ion:129 Resp: 117633

Ion Ratio Lower Upper

129 100

127 76.3 39.1 117.2





#61

1,2-Dibromoethane

Concen: 43.884 ug/l

RT: 8.98 min Scan# 847

Delta R.T. 0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

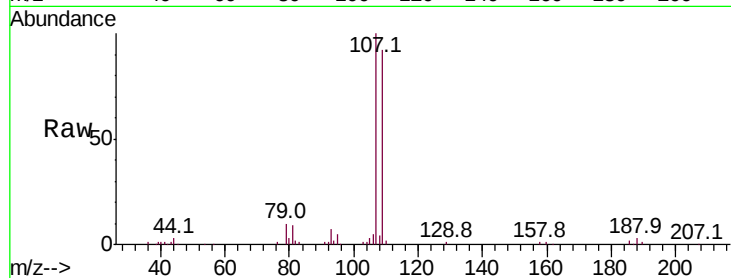
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:107 Resp: 85109

Ion Ratio Lower Upper

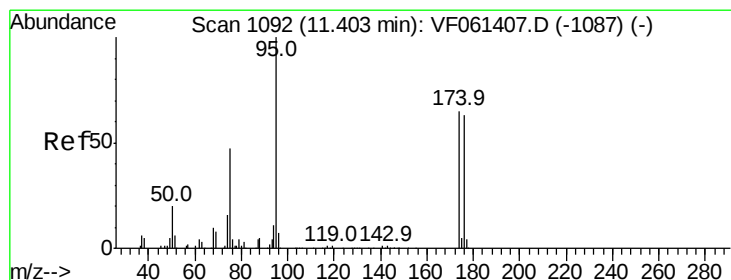
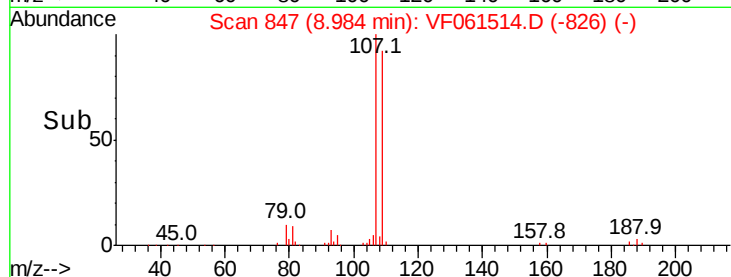
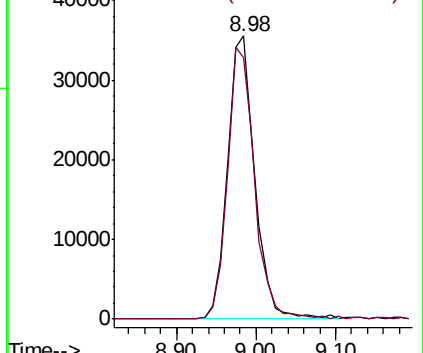
107 100

109 92.3 70.8 106.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 43.653 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

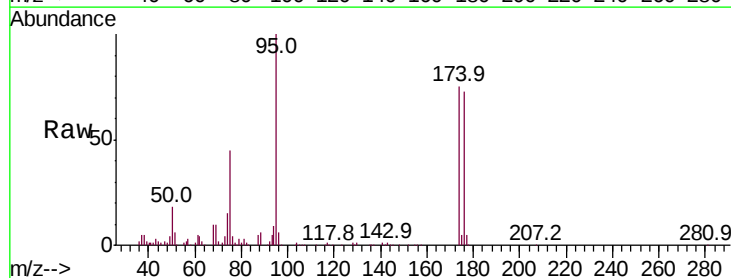
Tgt Ion: 95 Resp: 154832

Ion Ratio Lower Upper

95 100

174 75.0 0.0 130.4

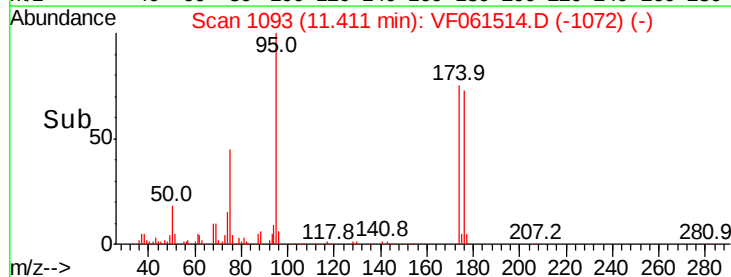
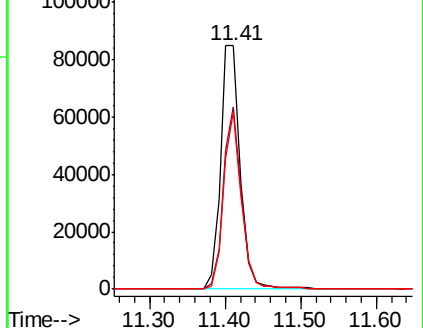
176 72.8 0.0 126.2

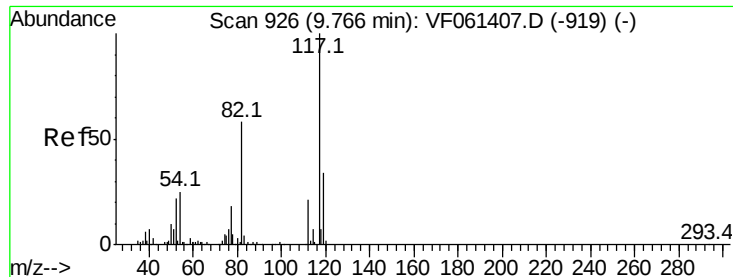


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

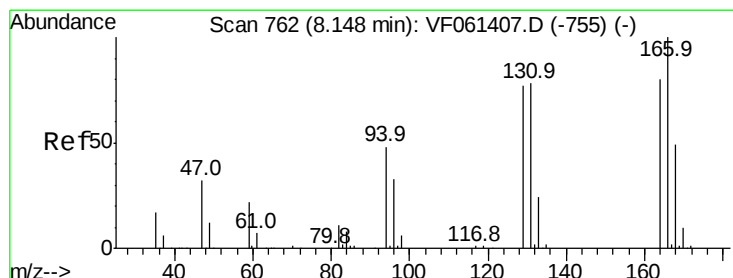
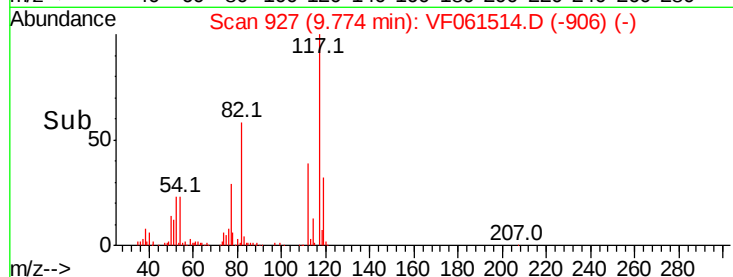
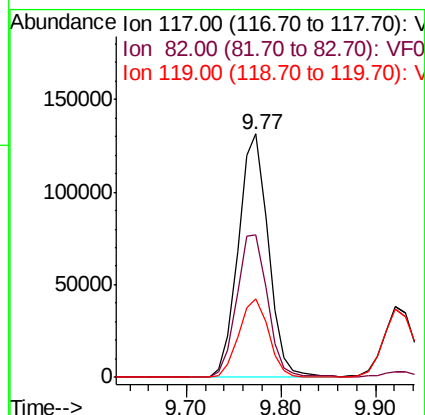
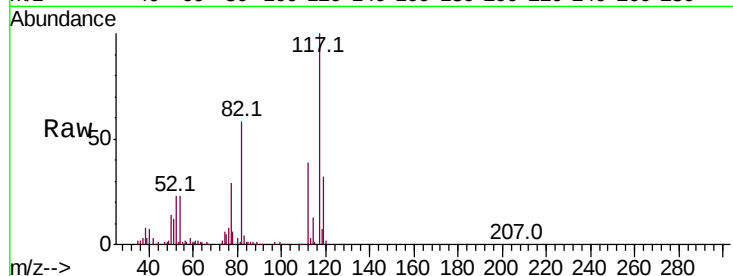




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. 0.01 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

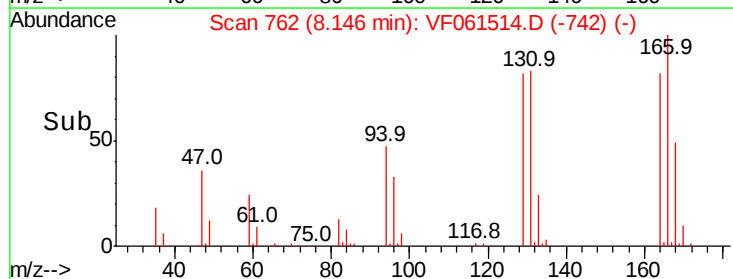
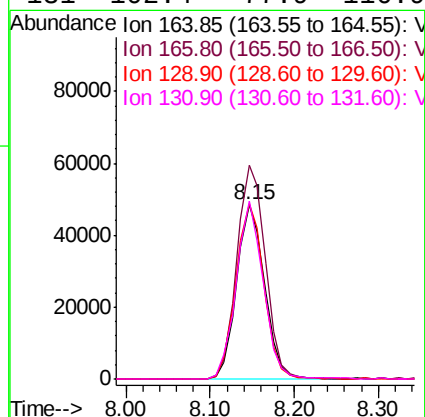
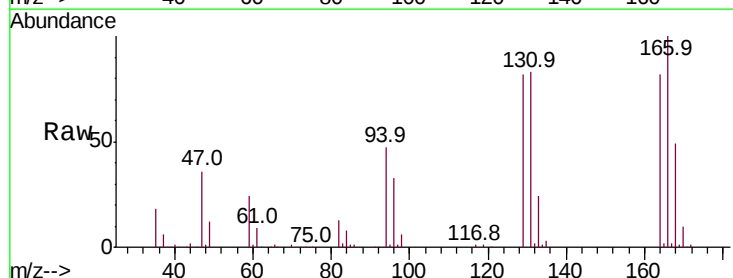
Instrument :
MSVOA_F
ClientSampleId :

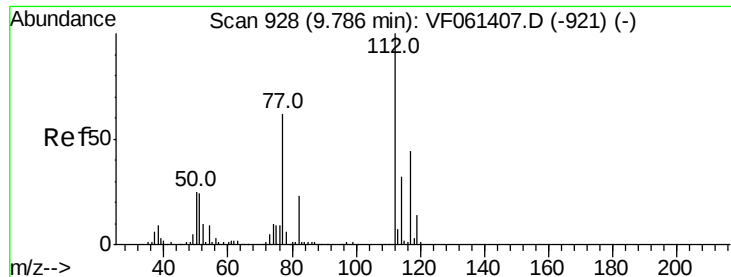
Tot Ion:117 Resp: 289066
Ion Ratio Lower Upper
117 100
82 58.3 46.4 69.6
119 32.3 27.2 40.8



#64
Tetrachloroethene
Concen: 51.650 ug/l
RT: 8.15 min Scan# 762
Delta R.T. -0.00 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

Tgt Ion:164 Resp: 112277
Ion Ratio Lower Upper
164 100
166 122.7 99.6 149.4
129 100.7 76.4 114.6
131 102.4 77.9 116.9

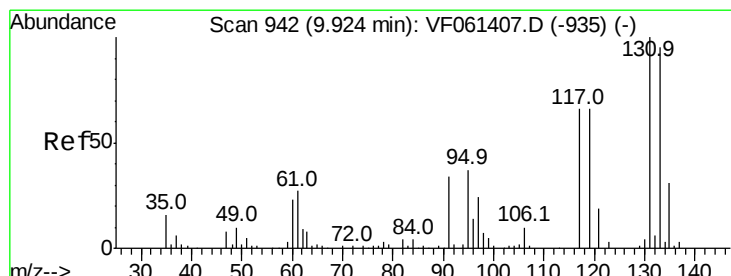
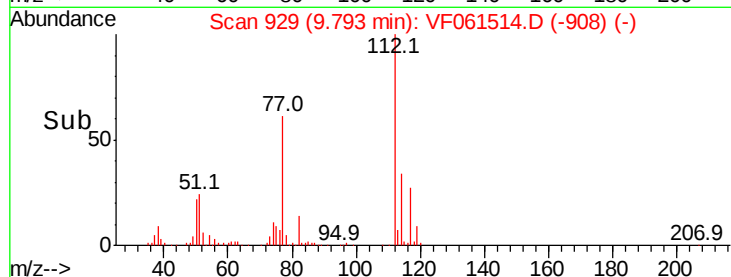
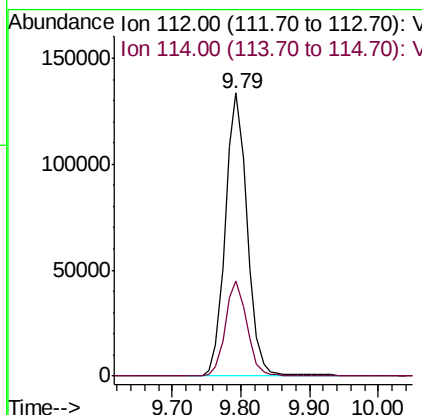
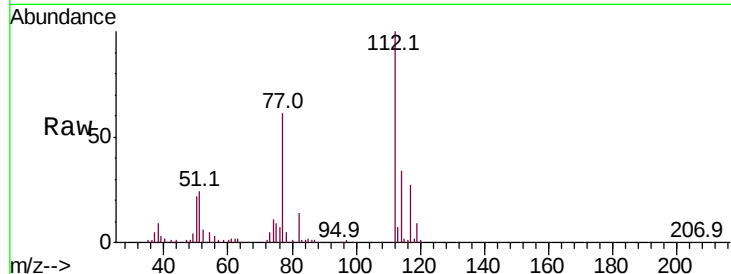




#65
Chlorobenzene
Concen: 50.033 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.01 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

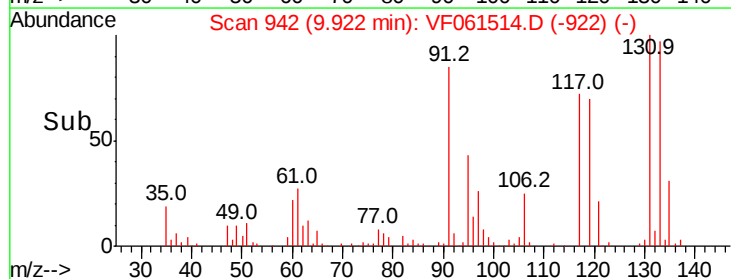
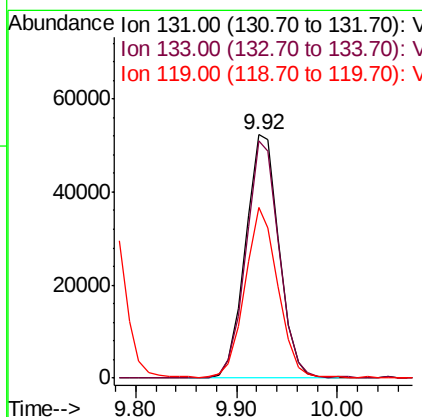
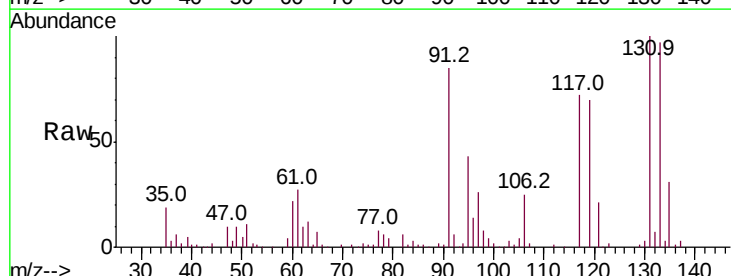
Instrument :
MSVOA_F
ClientSampleId :

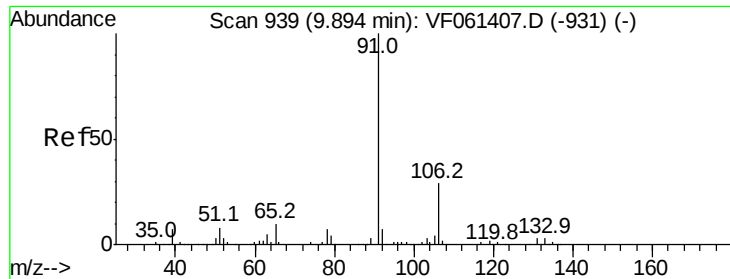
Tot Ion:112 Resp: 294114
Ion Ratio Lower Upper
112 100
114 33.6 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 51.753 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.00 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

Tgt Ion:131 Resp: 121192
Ion Ratio Lower Upper
131 100
133 97.4 47.4 142.2
119 70.1 33.1 99.3





#67

Ethyl Benzene

Concen: 50.434 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.00 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

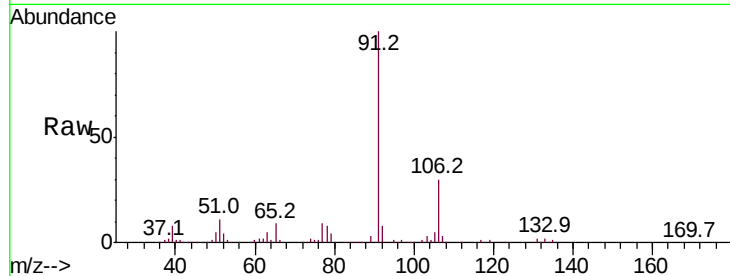
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 91 Resp: 541666

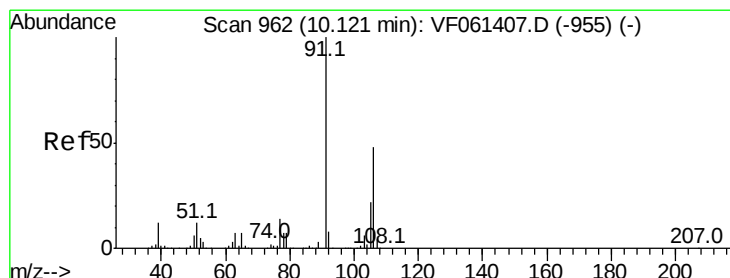
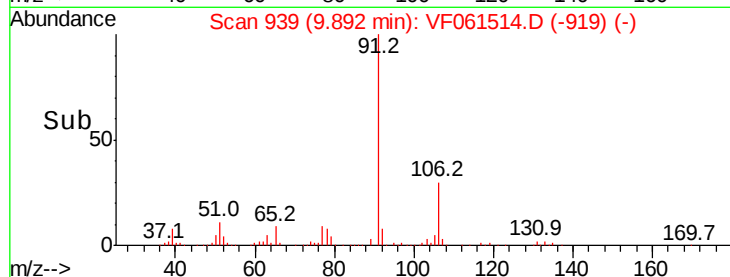
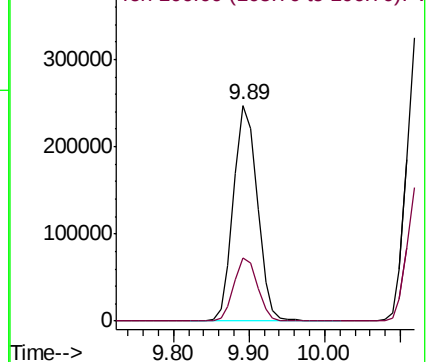
Ion Ratio Lower Upper

91 100

106 29.5 23.1 34.7



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 98.779 ug/l

RT: 10.13 min Scan# 963

Delta R.T. 0.01 min

Lab File: VF061514.D

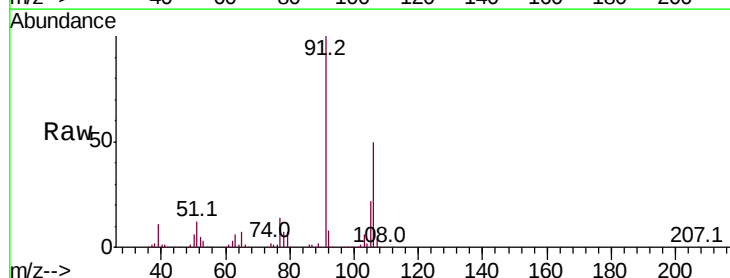
Acq: 25 Jan 2019 11:21

Tgt Ion:106 Resp: 381569

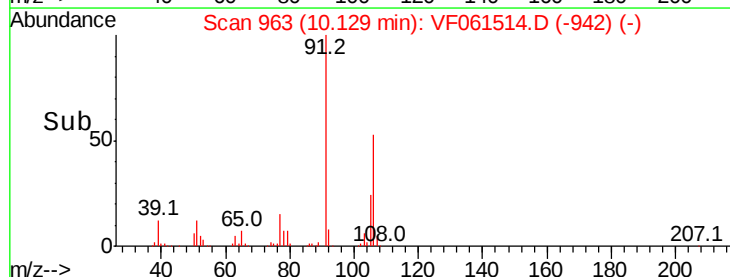
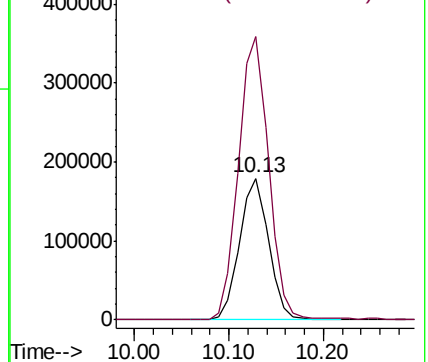
Ion Ratio Lower Upper

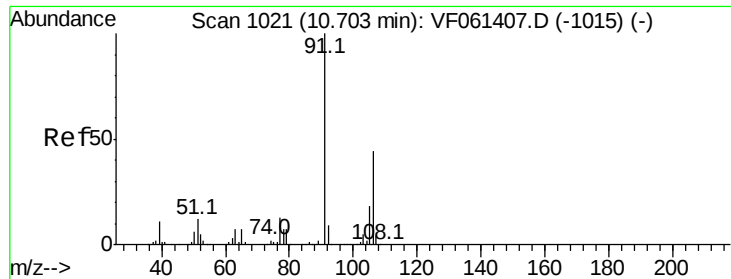
106 100

91 200.1 166.2 249.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

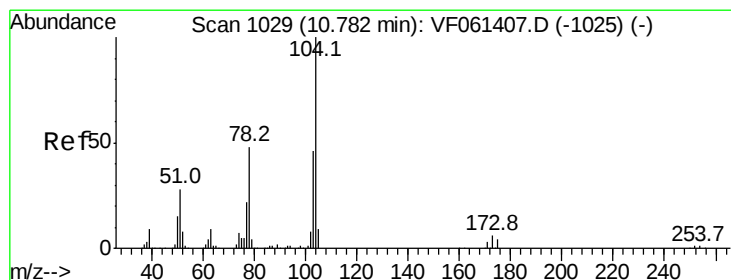
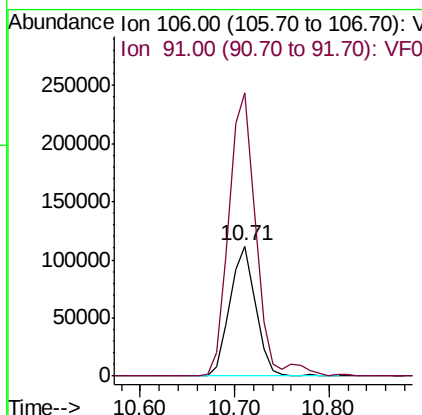
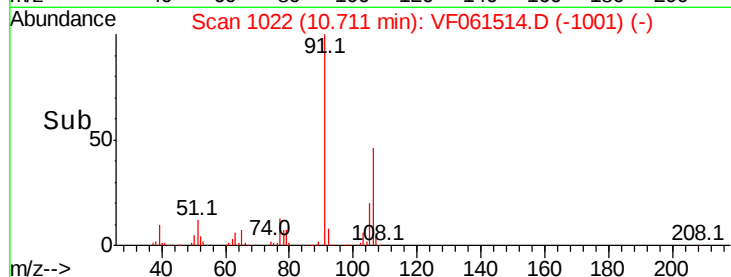
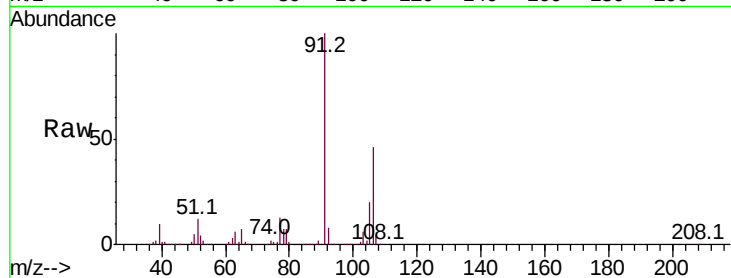




#69
o-Xylene
Concen: 51.161 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

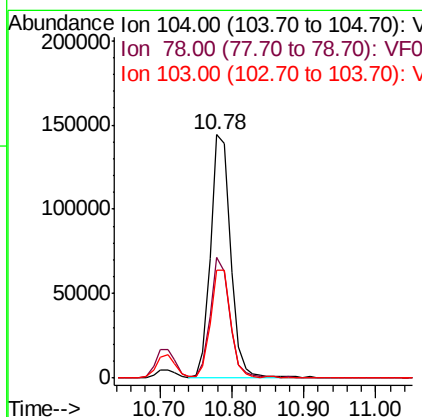
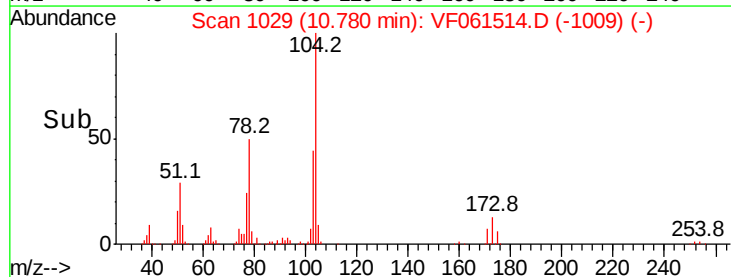
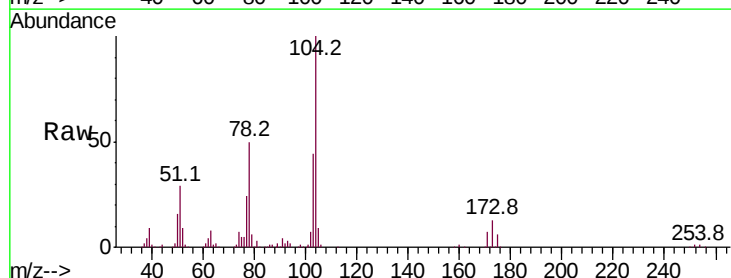
Instrument :
MSVOA_F
ClientSampled :

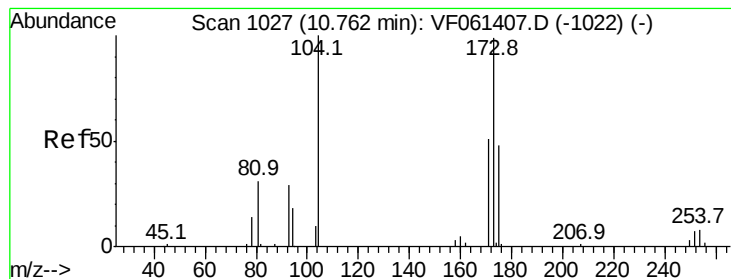
Tot Ion:106 Resp: 214192
Ion Ratio Lower Upper
106 100
91 217.5 113.3 339.8



#70
Styrene
Concen: 48.159 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

Tgt Ion:104 Resp: 275989
Ion Ratio Lower Upper
104 100
78 49.6 38.8 58.2
103 44.5 37.0 55.6





#71

Bromoform

Concen: 52.547 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. 0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Instrument :

MSVOA_F

ClientSampled :

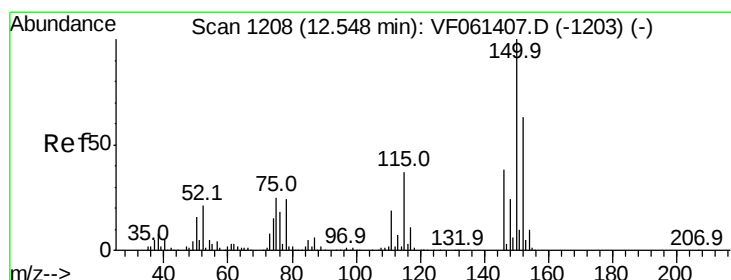
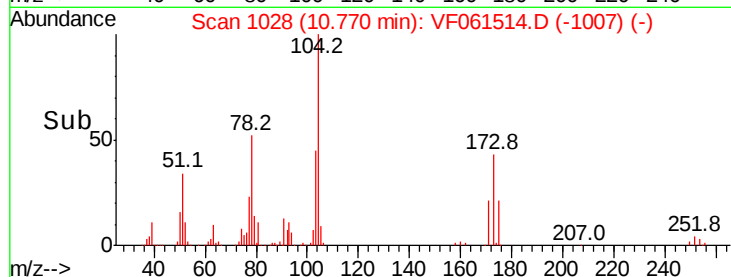
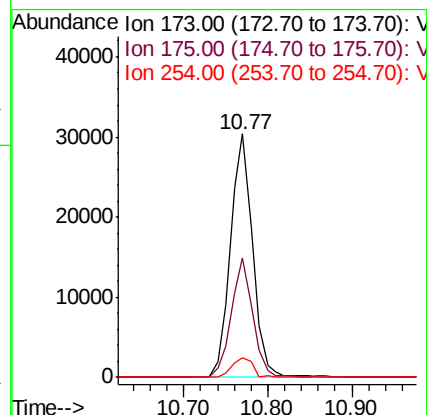
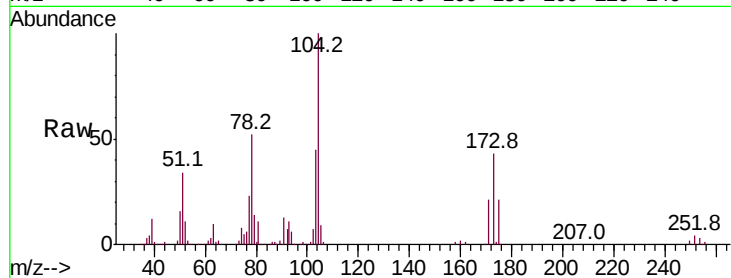
Tot Ion:173 Resp: 55288

Ion Ratio Lower Upper

173 100

175 49.7 24.1 72.4

254 8.2 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

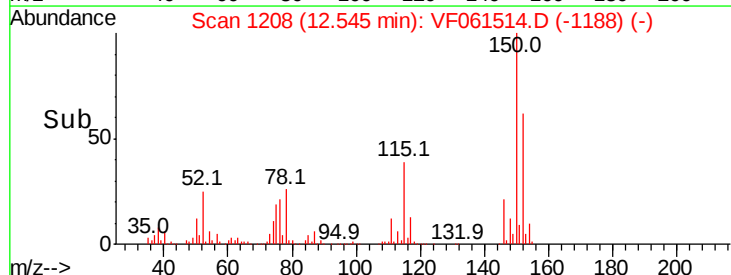
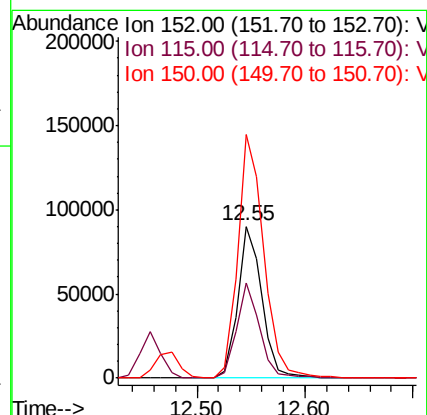
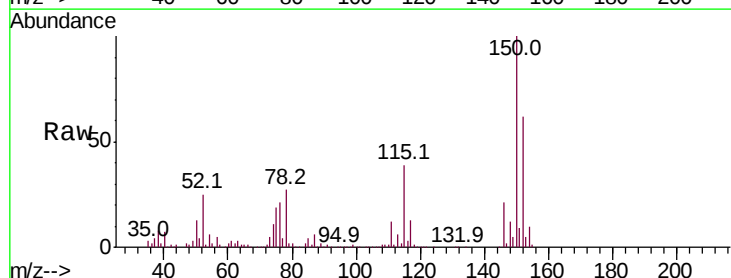
Tgt Ion:152 Resp: 139249

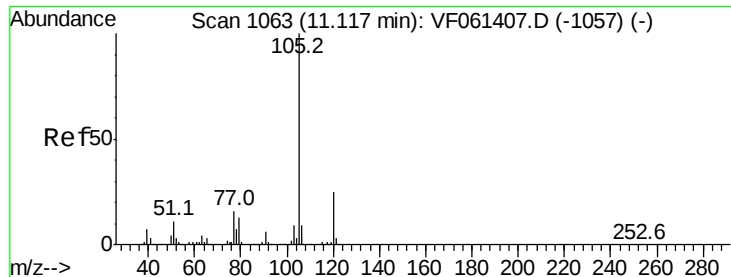
Ion Ratio Lower Upper

152 100

115 62.8 30.0 90.0

150 160.4 0.0 321.4





#73

Isopropylbenzene

Concen: 54.880 ug/l

RT: 11.12 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Instrument :

MSVOA_F

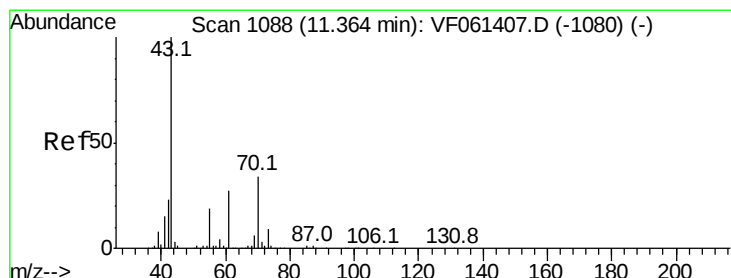
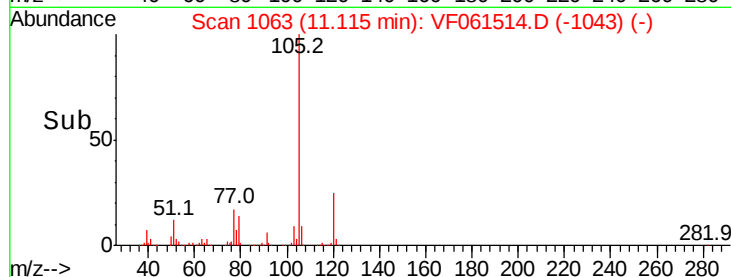
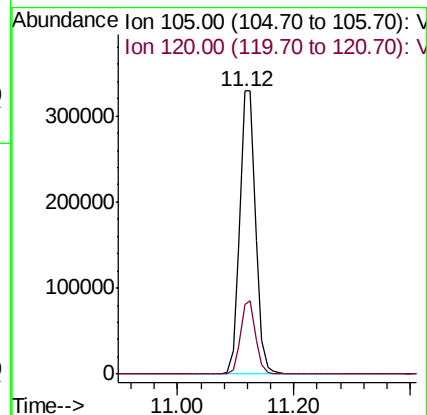
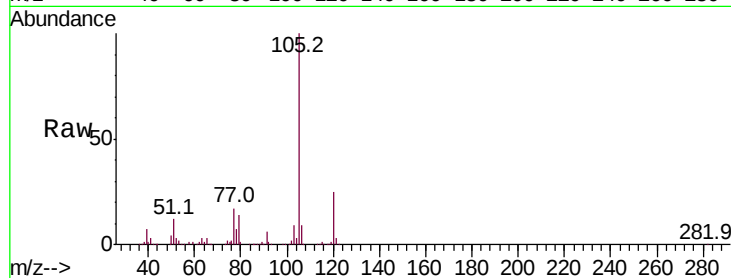
ClientSampleId :

Tot Ion:105 Resp: 621539

Ion Ratio Lower Upper

105 100

120 24.7 12.6 37.8



#74

N-ethyl acetate

Concen: 57.168 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Tgt Ion: 43 Resp: 153098

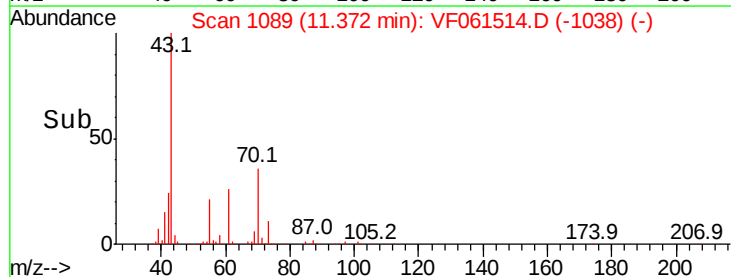
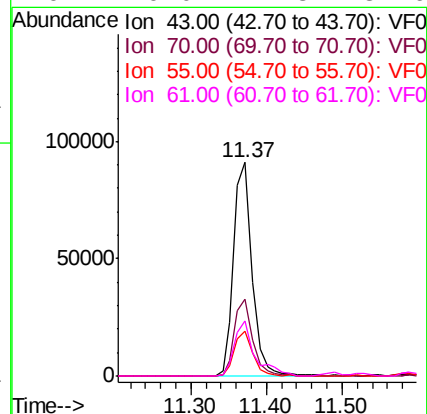
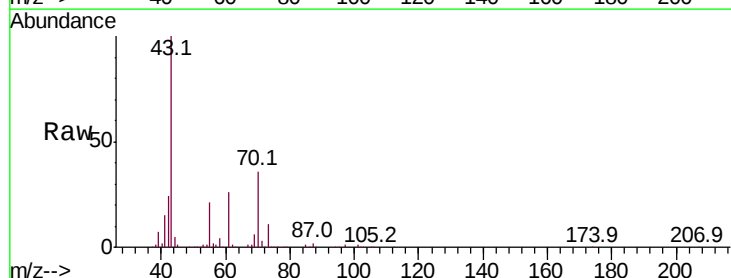
Ion Ratio Lower Upper

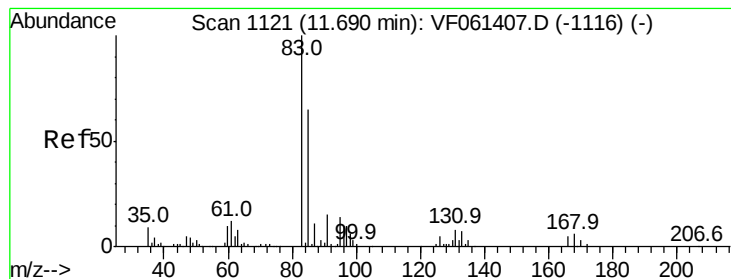
43 100

70 35.7 27.6 41.4

55 21.0 15.4 23.2

61 26.0 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 53.820 ug/l

RT: 11.69 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Instrument :

MSVOA_F

ClientSampleId :

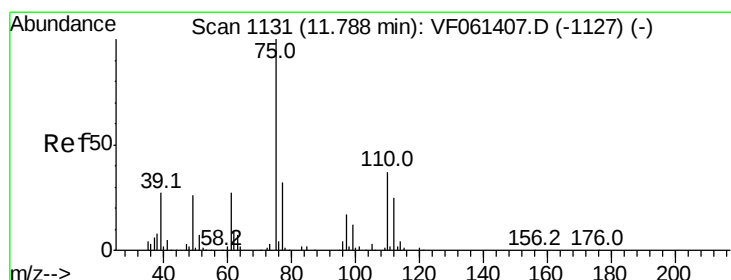
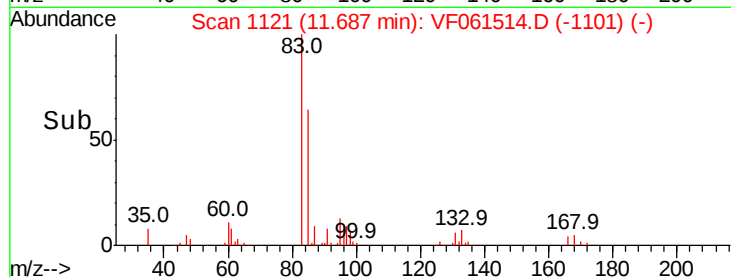
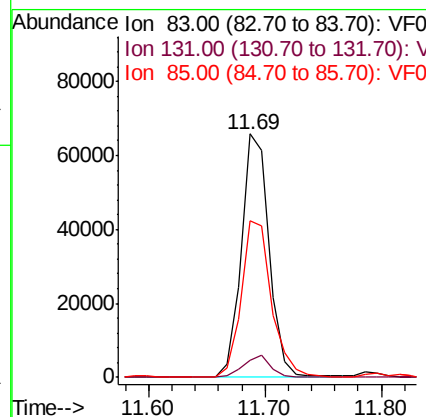
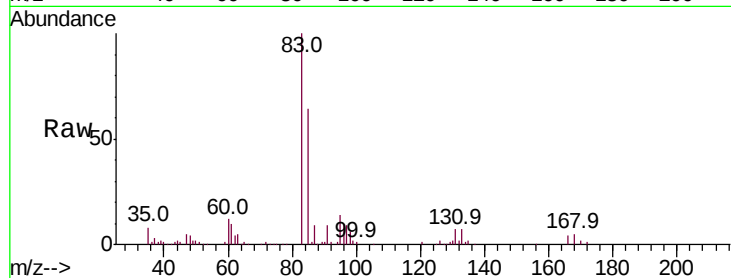
Tot Ion: 83 Resp: 108586

Ion	Ratio	Lower	Upper
83	100		
131	7.0	4.0	12.2
85	64.2	32.7	98.1

83 100

131 7.0 4.0 12.2

85 64.2 32.7 98.1



#76

1,2,3-Trichloropropane

Concen: 51.319 ug/l

RT: 11.79 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF061514.D

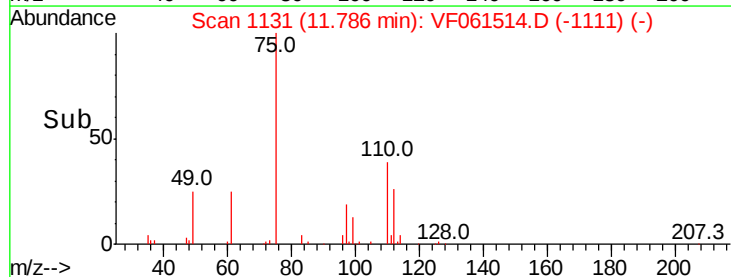
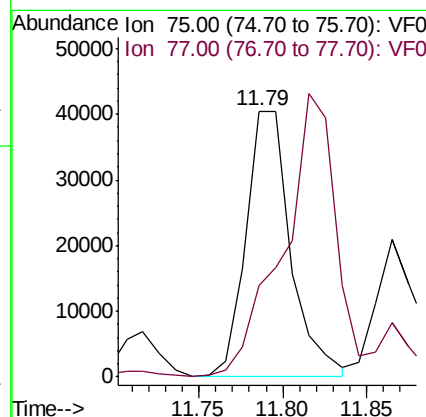
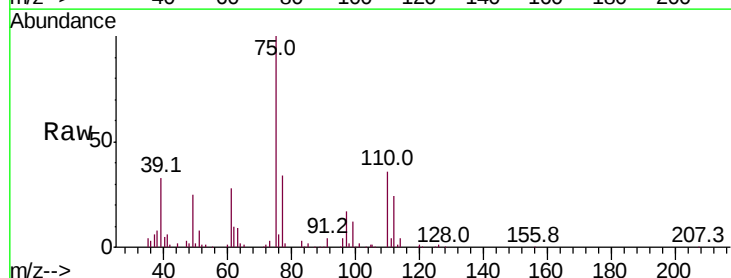
Acq: 25 Jan 2019 11:21

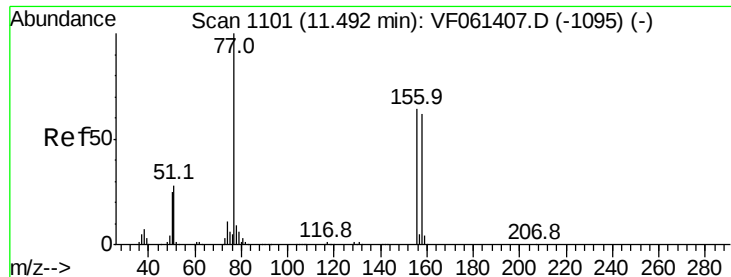
Tgt Ion: 75 Resp: 74398

Ion	Ratio	Lower	Upper
75	100		
77	34.4	16.1	48.3

75 100

77 34.4 16.1 48.3





#77

Bromobenzene

Concen: 53.938 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Instrument :

MSVOA_F

ClientSampleId :

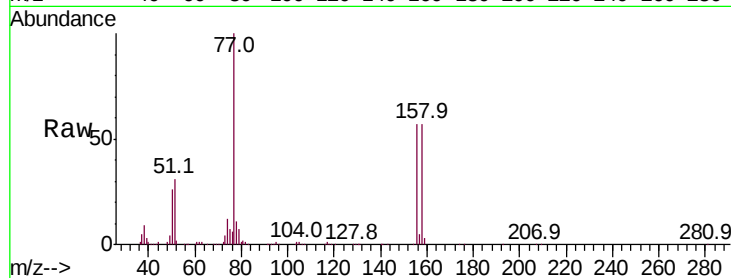
Tot Ion:156 Resp: 129010

Ion Ratio Lower Upper

156 100

77 175.6 78.3 234.9

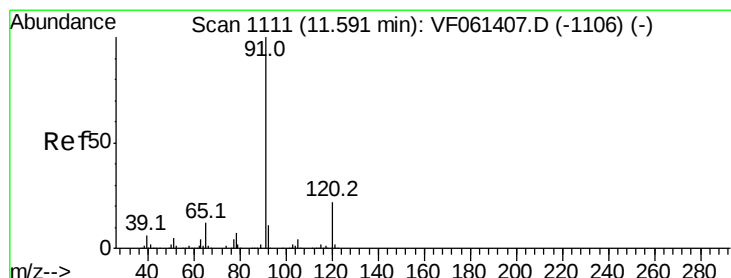
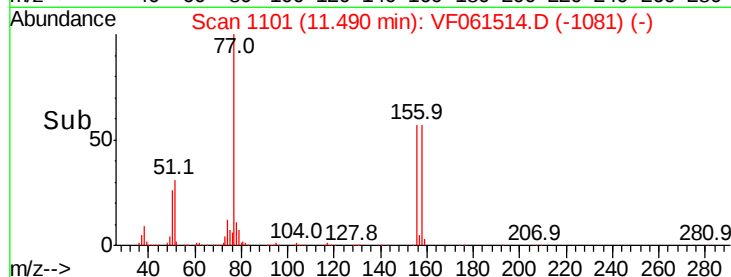
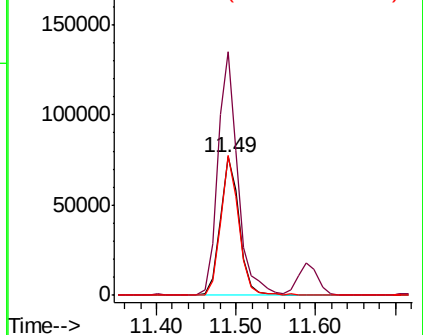
158 100.5 48.9 146.7



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 52.653 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VF061514.D

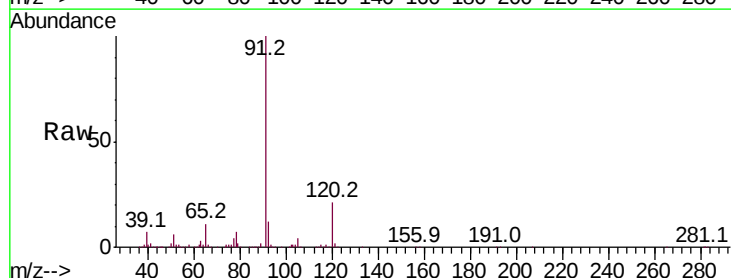
Acq: 25 Jan 2019 11:21

Tgt Ion: 91 Resp: 721489

Ion Ratio Lower Upper

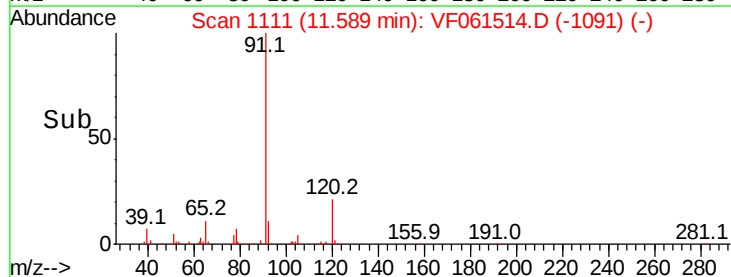
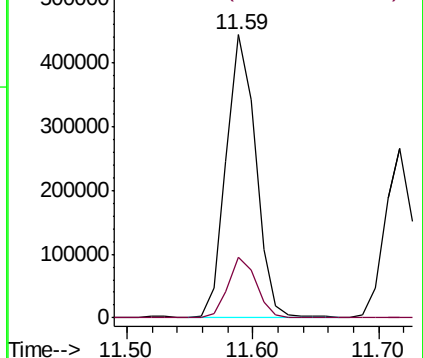
91 100

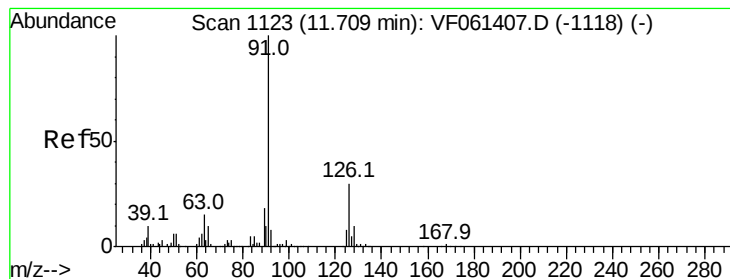
120 21.3 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.544 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Instrument :

MSVOA_F

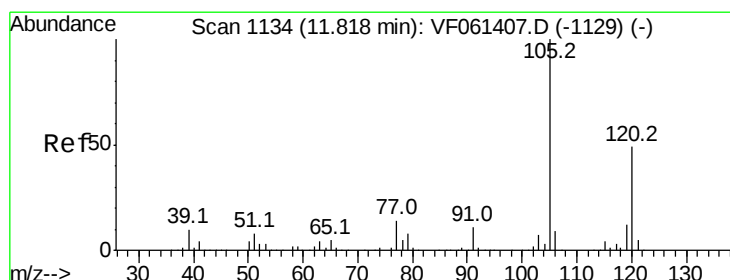
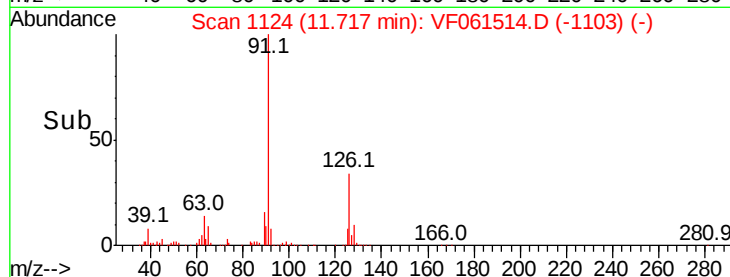
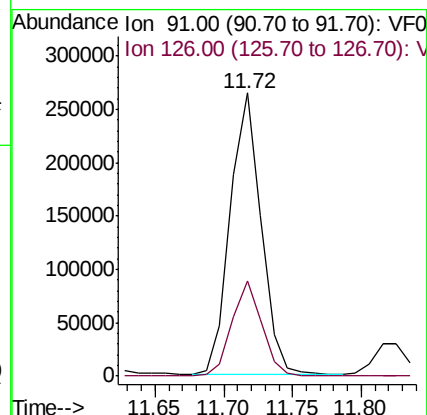
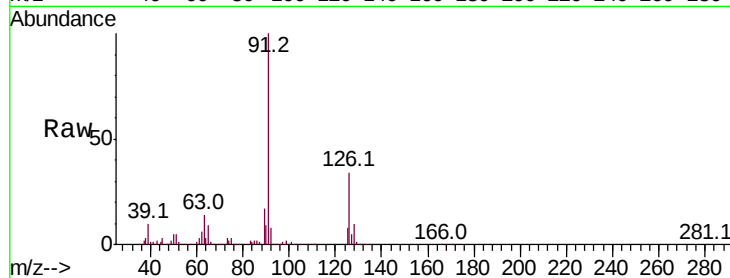
ClientSampleId :

Tot Ion: 91 Resp: 412885

Ion Ratio Lower Upper

91 100

126 33.6 15.0 45.1



#80

1,3,5-Trimethylbenzene

Concen: 53.768 ug/l

RT: 11.83 min Scan# 1135

Delta R.T. 0.01 min

Lab File: VF061514.D

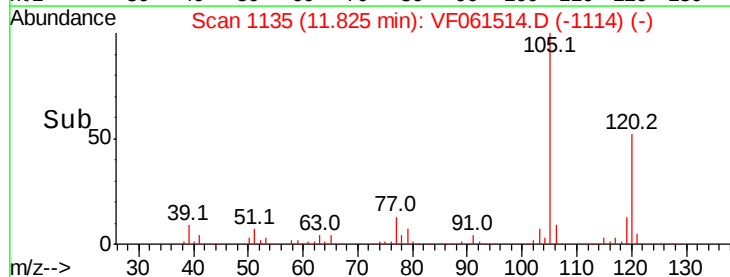
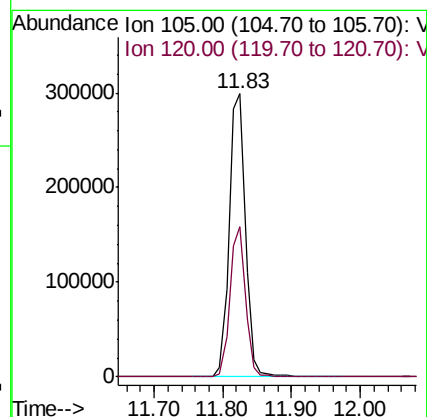
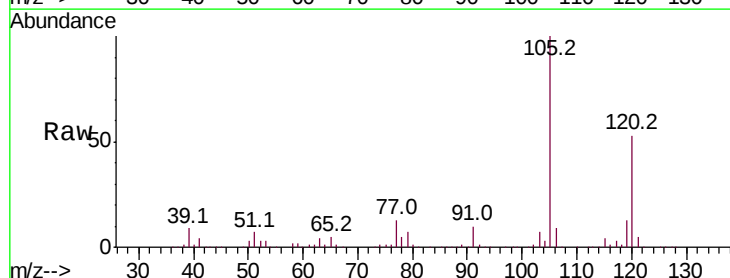
Acq: 25 Jan 2019 11:21

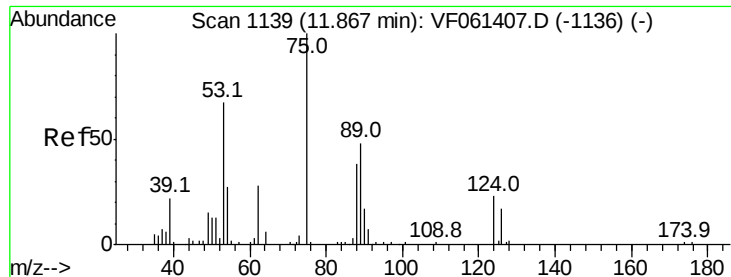
Tgt Ion: 105 Resp: 491429

Ion Ratio Lower Upper

105 100

120 53.0 24.7 74.1

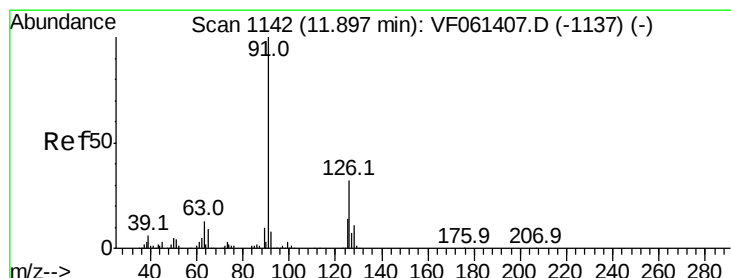
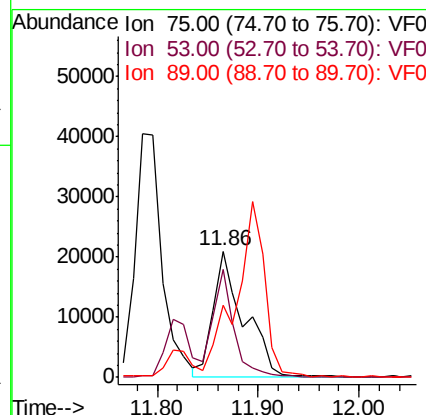
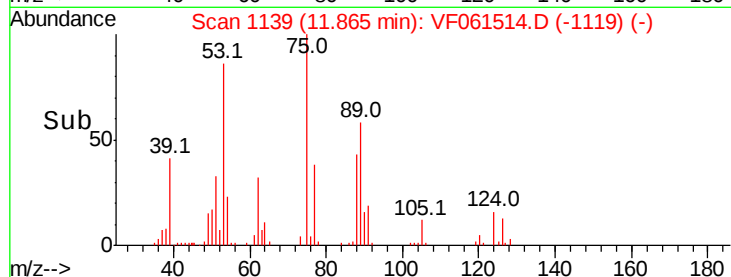
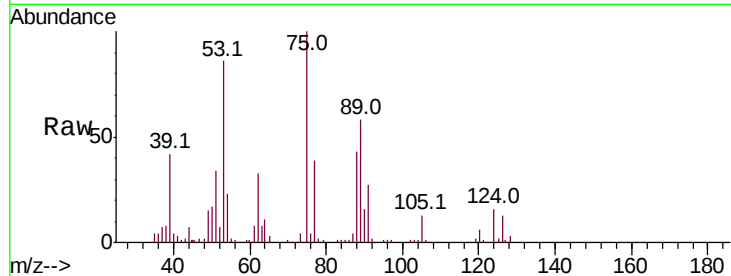




#81
trans-1,4-Dichloro-2-butene
Concen: 72.347 ug/l
RT: 11.86 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

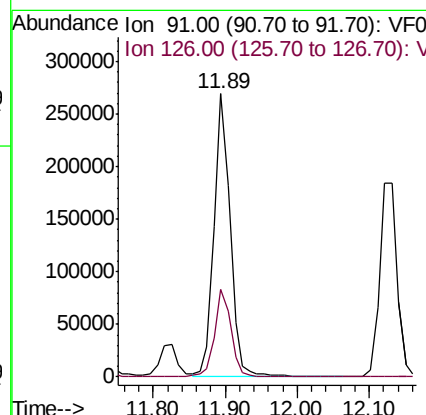
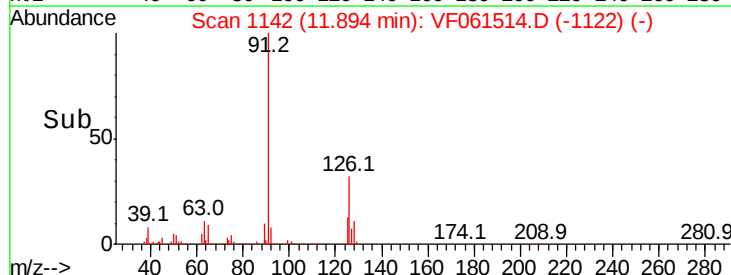
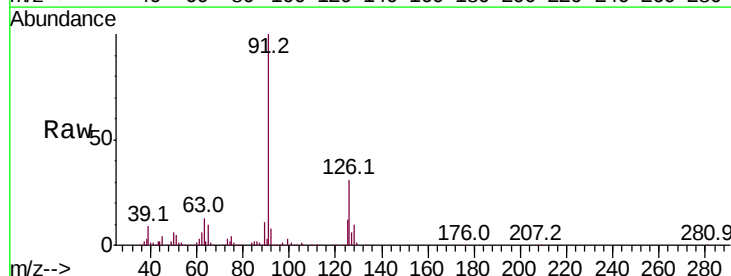
Instrument :
MSVOA_F
ClientSampleId :

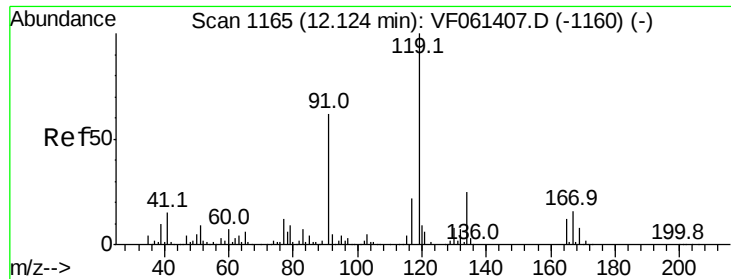
Tot Ion: 75 Resp: 45594
Ion Ratio Lower Upper
75 100
53 86.2 57.8 86.6
89 57.7 40.7 61.1



#82
4-Chlorotoluene
Concen: 52.204 ug/l
RT: 11.89 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

Tgt Ion: 91 Resp: 413954
Ion Ratio Lower Upper
91 100
126 30.8 16.0 47.9

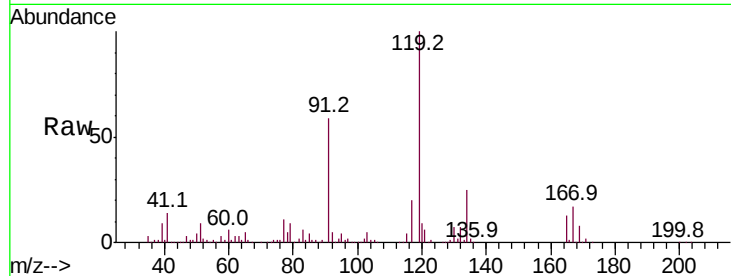




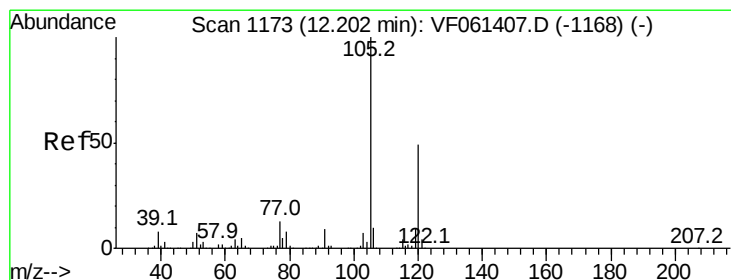
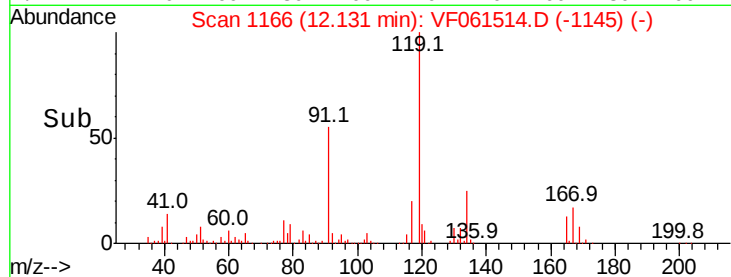
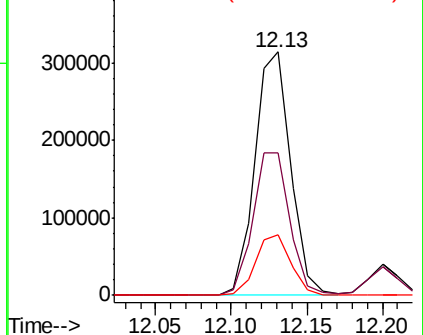
#83
tert-Butylbenzene
Concen: 55.135 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. 0.01 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.5	31.3	93.8
134	25.0	12.4	37.0

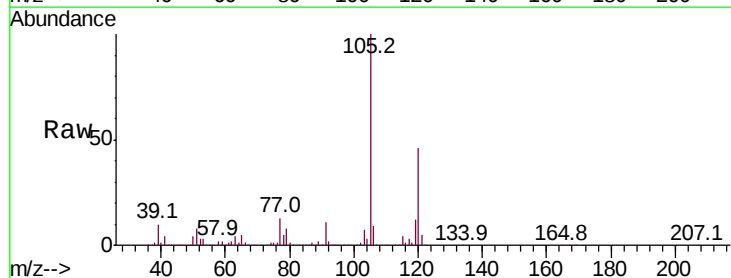


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

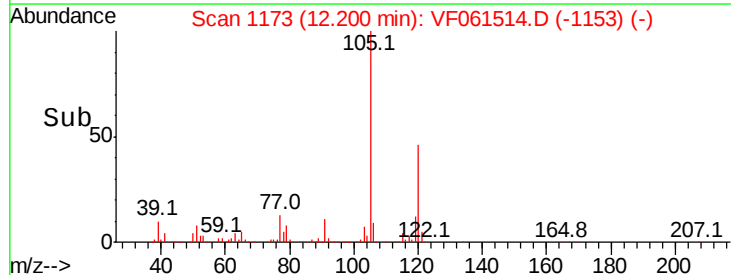
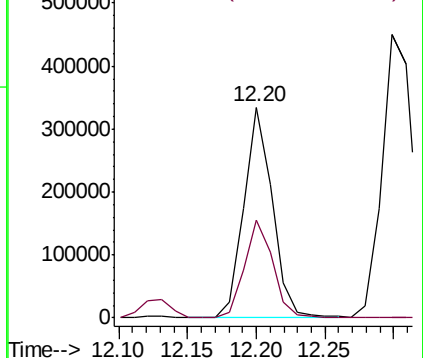


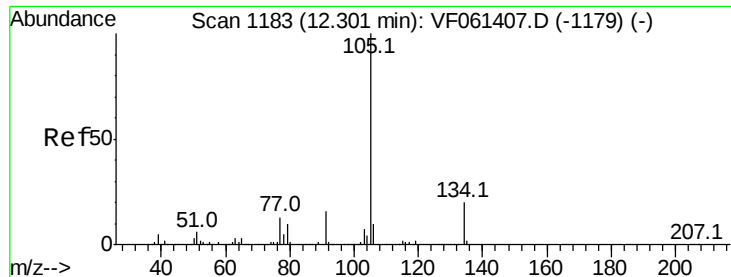
#84
1,2,4-Trimethylbenzene
Concen: 51.476 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. -0.00 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	24.9	74.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

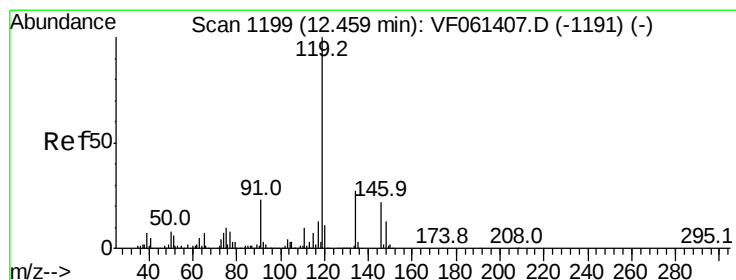
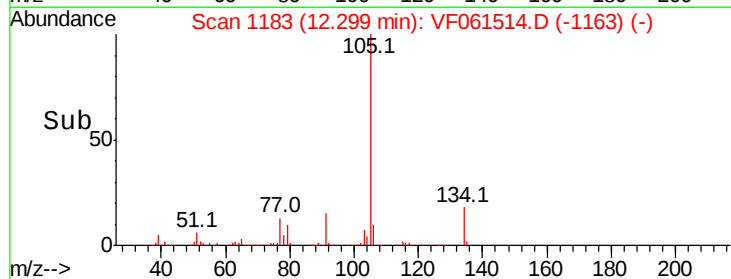
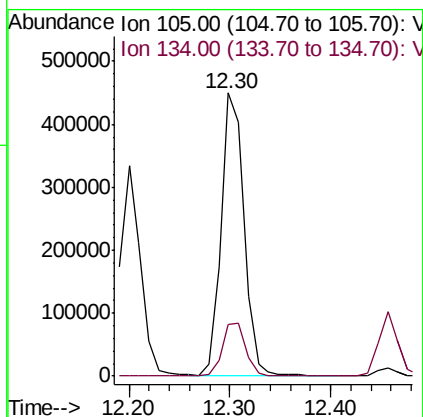
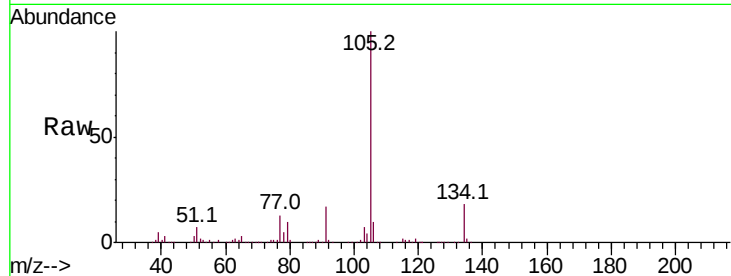




#85
 sec-Butylbenzene
 Concen: 55.377 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. -0.00 min
 Lab File: VF061514.D
 Acq: 25 Jan 2019 11:21

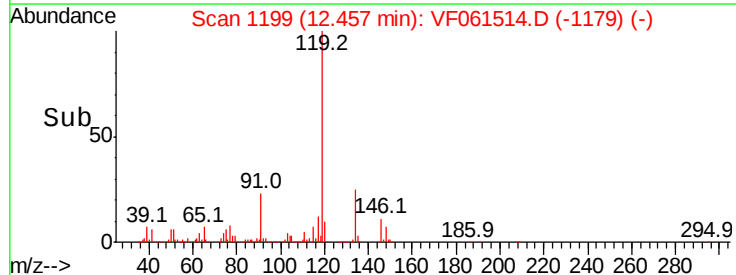
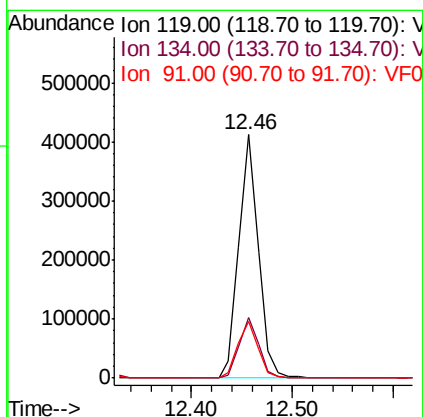
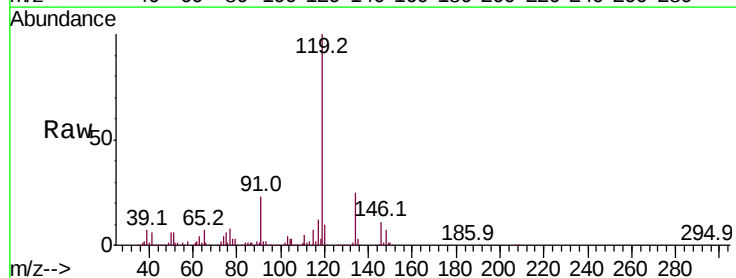
Instrument :
 MSVOA_F
 ClientSampled :

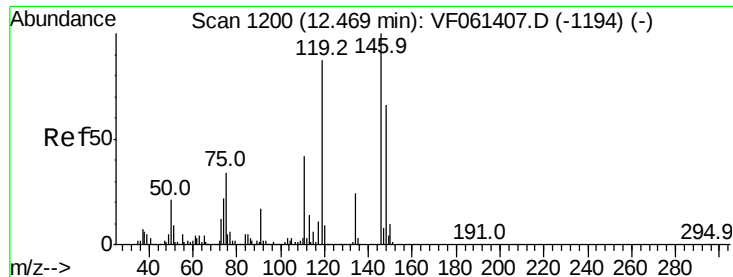
Tot Ion:105 Resp: 711413
 Ion Ratio Lower Upper
 105 100
 134 18.1 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 52.897 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: VF061514.D
 Acq: 25 Jan 2019 11:21

Tgt Ion:119 Resp: 557843
 Ion Ratio Lower Upper
 119 100
 134 24.8 13.4 40.2
 91 23.2 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 48.475 ug/l

RT: 12.48 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Instrument :

MSVOA_F

ClientSampleId :

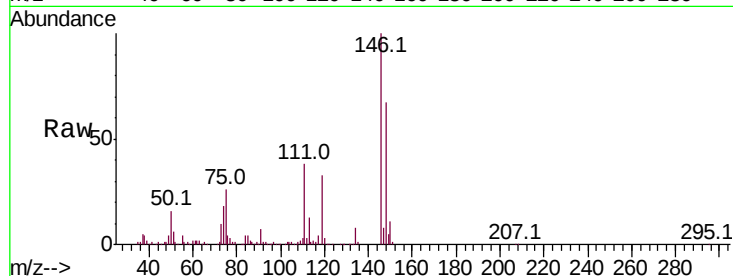
Tot Ion:146 Resp: 231250

Ion Ratio Lower Upper

146 100

111 37.9 21.1 63.4

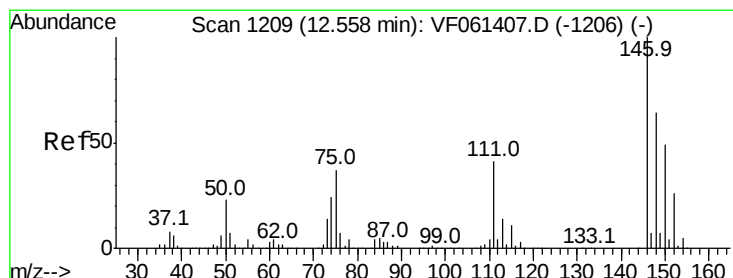
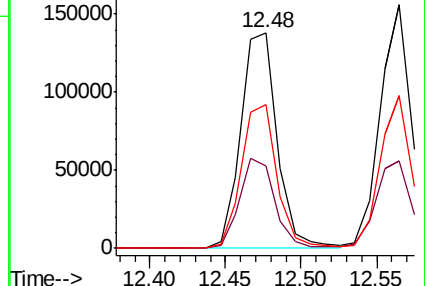
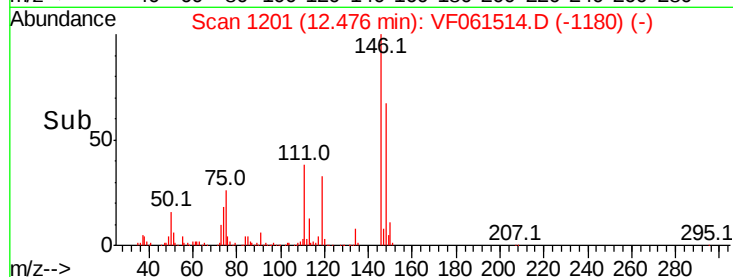
148 66.7 32.9 98.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 51.500 ug/l

RT: 12.57 min Scan# 1210

Delta R.T. 0.01 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

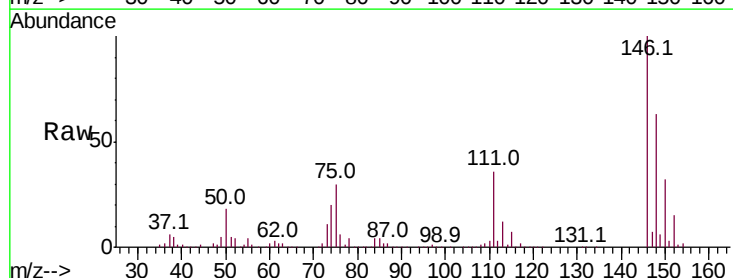
Tgt Ion:146 Resp: 232768

Ion Ratio Lower Upper

146 100

111 36.0 20.8 62.2

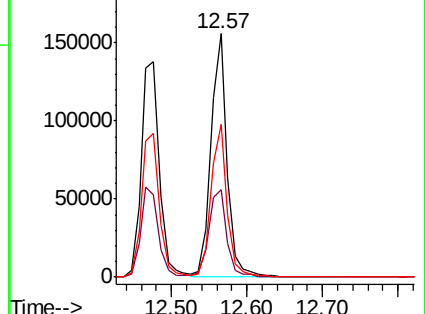
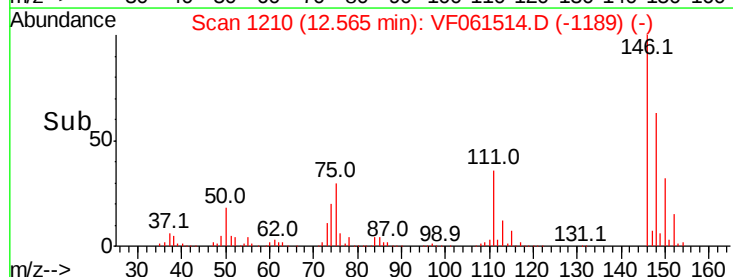
148 62.6 32.1 96.5

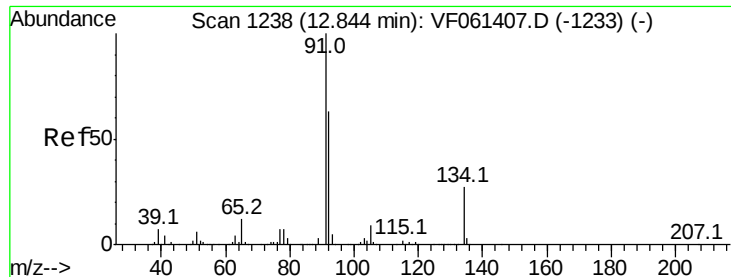


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

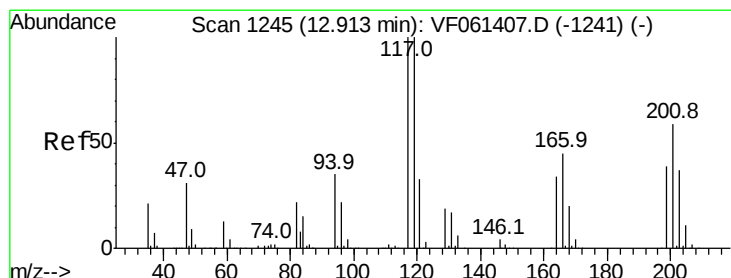
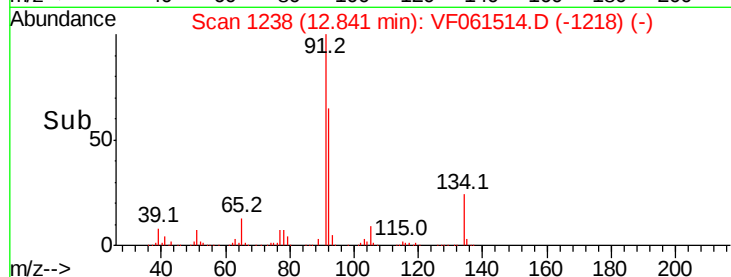
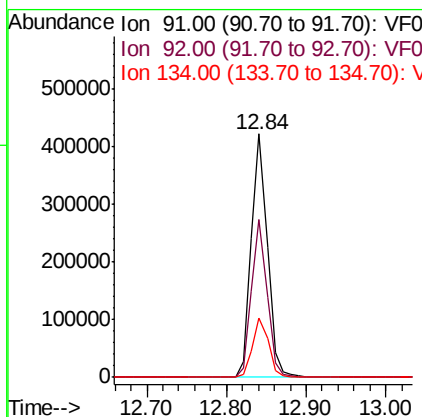
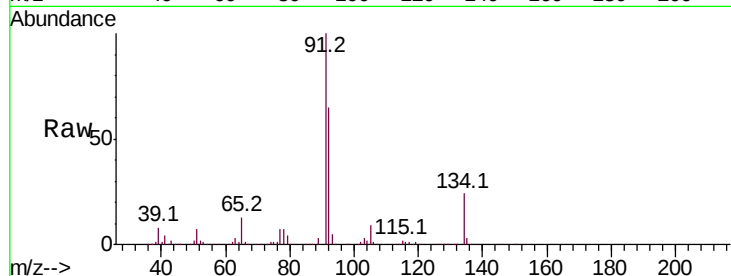




#89
n-Butylbenzene
Concen: 53.403 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

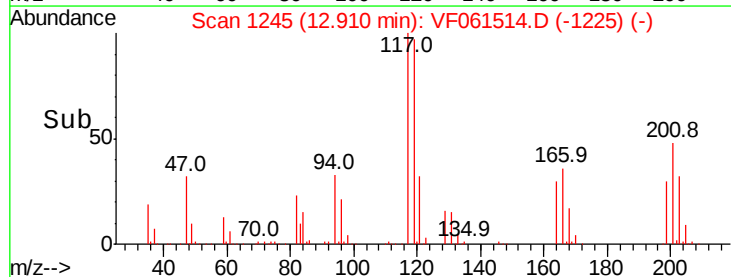
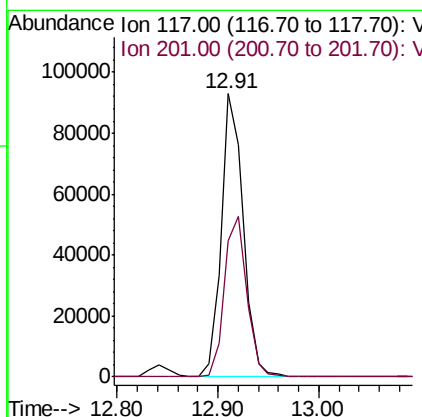
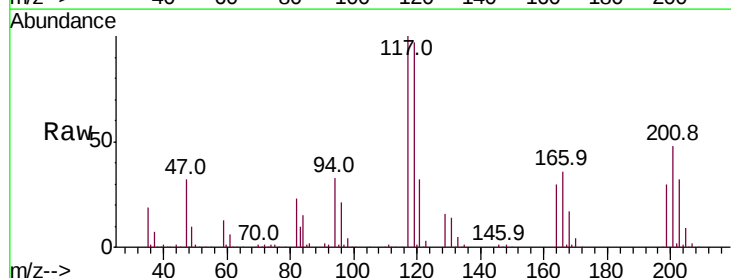
Instrument :
MSVOA_F
ClientSampleId :

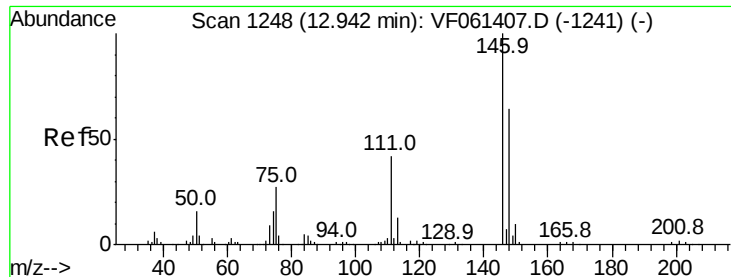
Tot Ion: 91 Resp: 580810
Ion Ratio Lower Upper
91 100
92 64.8 31.6 94.7
134 24.5 13.6 40.8



#90
Hexachloroethane
Concen: 57.116 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VF061514.D
Acq: 25 Jan 2019 11:21

Tgt Ion: 117 Resp: 141986
Ion Ratio Lower Upper
117 100
201 48.3 29.3 87.8

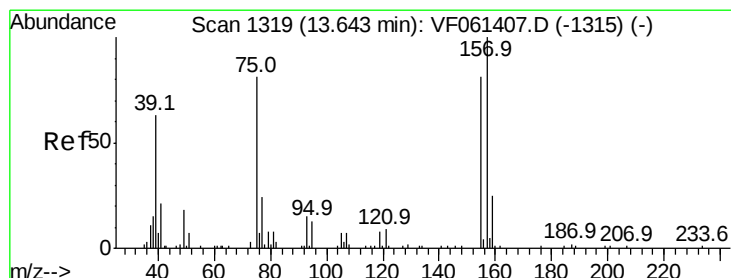
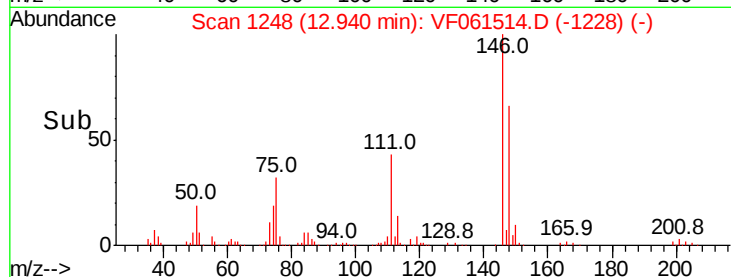
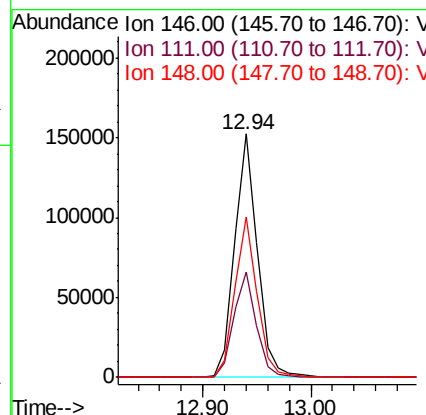
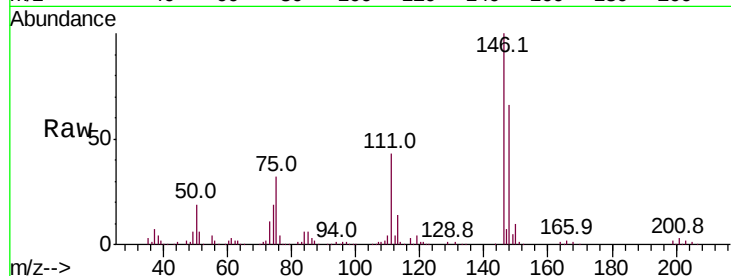




#91
 1,2-Dichlorobenzene
 Concen: 50.015 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VF061514.D
 Acq: 25 Jan 2019 11:21

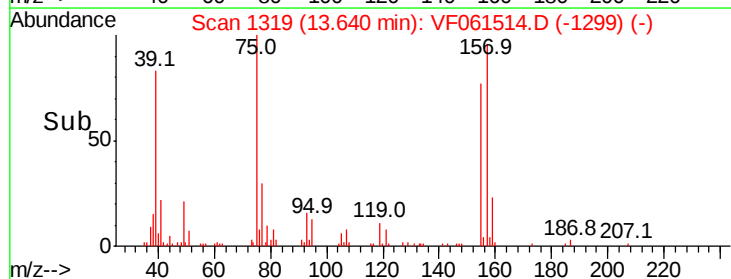
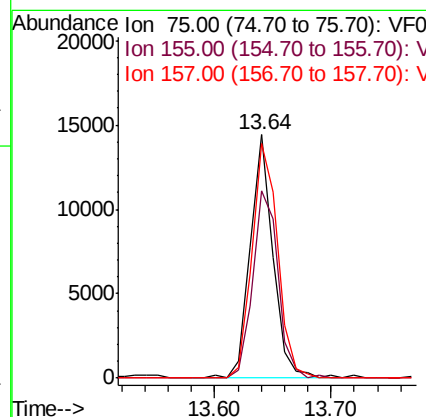
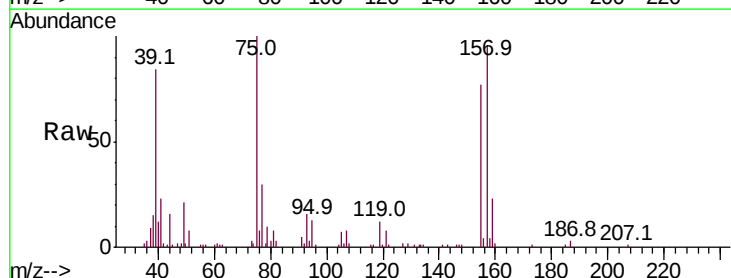
Instrument :
 MSVOA_F
 ClientSampleId :

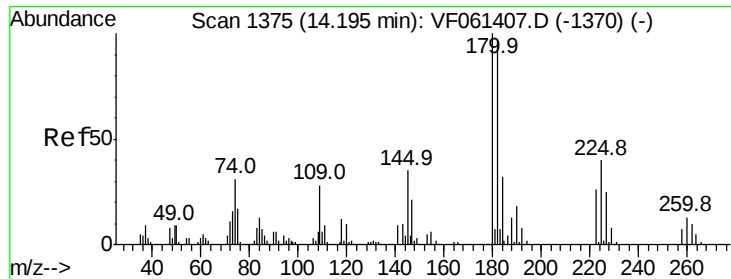
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.1	63.3
148	65.8	31.9	95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.564 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: VF061514.D
 Acq: 25 Jan 2019 11:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.2	49.7	149.1
157	96.5	61.4	184.1

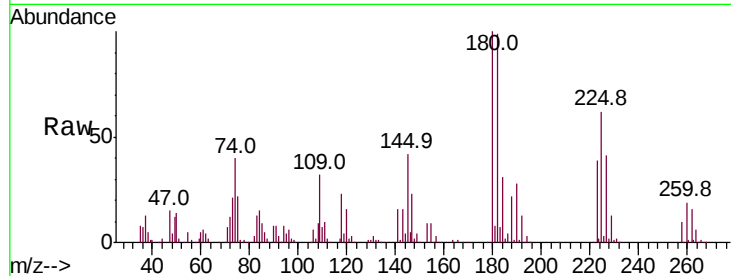




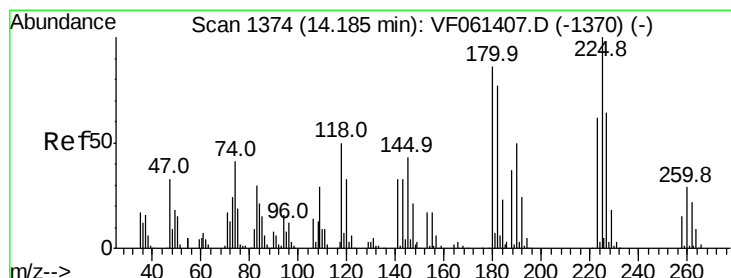
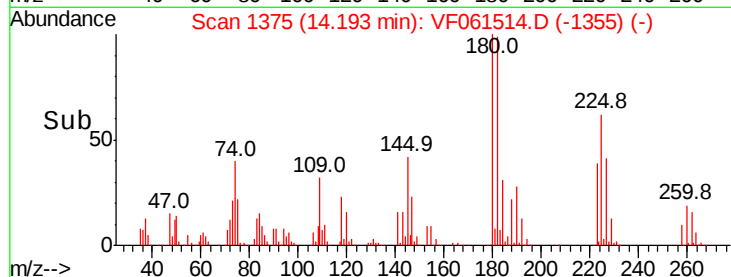
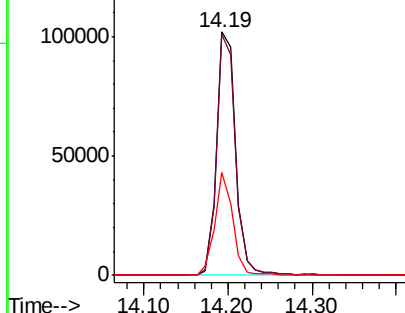
#93
 1,2,4-Trichlorobenzene
 Concen: 51.541 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF061514.D
 Acq: 25 Jan 2019 11:21

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.8	48.5	145.6
145	42.3	17.5	52.6

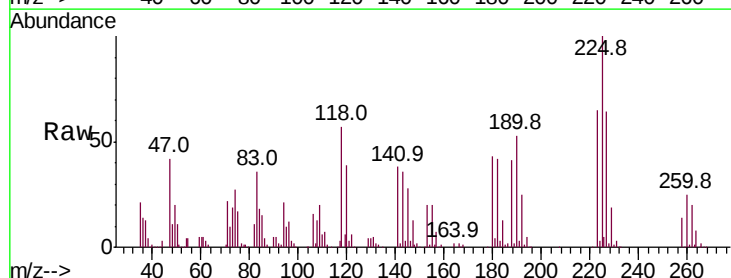


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

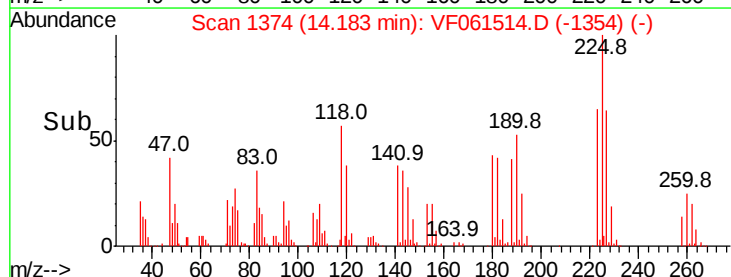
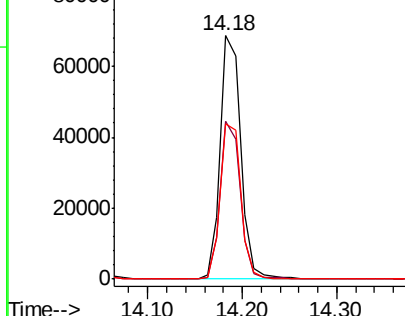


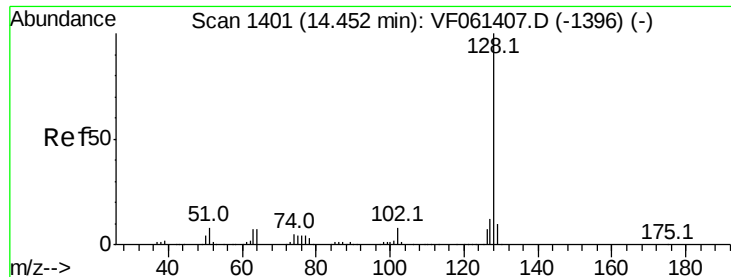
#94
 Hexachlorobutadiene
 Concen: 53.332 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: VF061514.D
 Acq: 25 Jan 2019 11:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.1	31.1	93.2
227	63.8	32.2	96.6



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 52.763 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. -0.00 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

Instrument :

MSVOA_F

ClientSampleId :

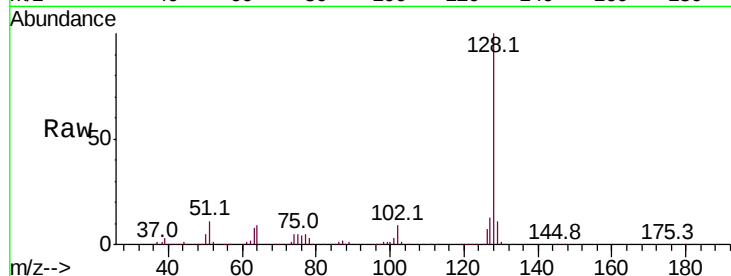
Tot Ion:128 Resp: 314209

Ion Ratio Lower Upper

128 100

127 13.0 9.5 14.3

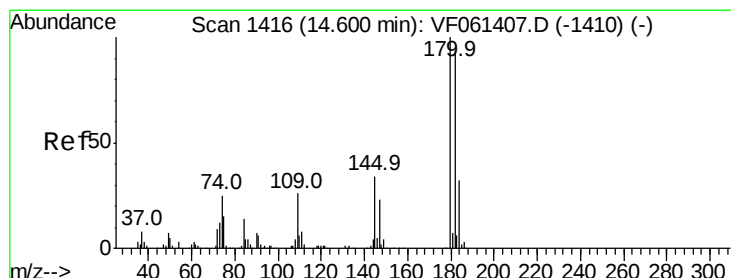
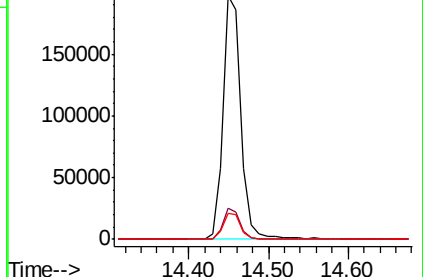
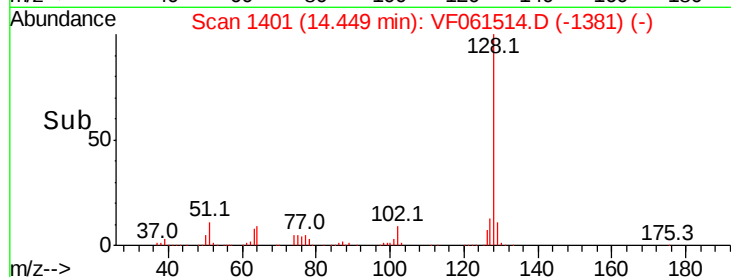
129 10.8 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.482 ug/l

RT: 14.60 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VF061514.D

Acq: 25 Jan 2019 11:21

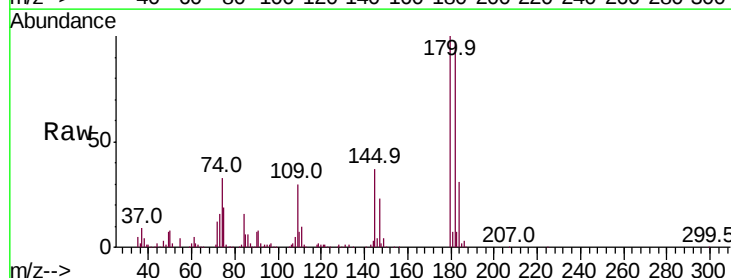
Tgt Ion:180 Resp: 146473

Ion Ratio Lower Upper

180 100

182 97.2 47.0 141.2

145 36.5 17.1 51.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

